

Marun pouya polymer compound co



Marun Compylene



**Marun Compylene****MC-01RC-1**

h a v e i n n o v a t i o n w i t h u s

➤ product description

MC-01RC-1 is a polypropylene compound filled with 8% filler. This product is in pellet form with natural color.

➤ Application

PPRC pipe extusion

➤ Processing method

Extrusion

Physical	Method	Unit	Typical Value
Melt Index (230°C, 2.16 kg)	ISO 1133	g/10 min	0.26 ± 0.20
Density	ISO 1183	g/cm³	0.95 ± 0.02
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield	ISO 527	MPa	23 ± 2
Elongation @ yield	ISO 527	%	11 ± 1
Flexural modulus	ISO 178	MPa	860 ± 100
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m²	29 ± 3

Typical values; not to be construed as specifications.

Packaging: MC-01RC-1 is supplied in 25/850 kg bags.



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**Marun Compylene****MC-02RC-1**

h a v e i n n o v a t i o n w i t h u s

➤ **product description**

MC-02RC-1 is a polypropylene compound filled with 15% filler. This product is in pellet form with natural color.

➤ **Application**

PPRC pipe extusion

➤ **Processing method**

Extrusion

Physical	Method	Unit	Typical Value
Melt Index (230°C, 2.16 kg)	ISO 1133	g/10 min	0.25 ± 0.20
Density	ISO 1183	g/cm³	0.98 ± 0.02
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield	ISO 527	MPa	23 ± 2
Elongation @ yield	ISO 527	%	10 ± 1
Flexural modulus	ISO 178	MPa	930 ± 100
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m²	23 ± 3

Typical values; not to be construed as specifications.

Packaging: MC-02RC-1 is supplied in 25/850 kg bags.



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**Marun Compylene****MC-16AI-1**

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➤ **product description**

MC-16AI-1 is a U.V. and thermal resistance polypropylene compound filled with 38% filler. This product is in pellet form with natural color.

➤ **Application**

Cooling tower packing, Sheet

➤ **Processing method**

Extrusion

Physical	Method	Unit	Typical Value
Melt Index (230°C, 2.16 kg)	ISO 1133	g/10 min	< 2
Density	ISO 1183	g/cm ³	1.21 ± 0.02
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield	ISO 527	MPa	25 ± 2
Elongation @ yield	ISO 527	%	5 ± 1
Flexural modulus	ISO 178	MPa	2100 ± 200
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m ²	7.5 ± 2
Hardness shore D	ISO 868	points	71 ± 2

Typical values; not to be construed as specifications.

Packaging: MC-16AI-1 is supplied in 25/850 kg bags.



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**Marun Compylene****MC-25AL-4**

h a v e i n n o v a t i o n w i t h u s

➤ product description

MC-25AL-4 is a polypropylene compound filled with 33% filler. This product is in pellet form with natural color.

➤ Application

Home appliances, Crates, Packaging, Panels and Profiles, PP corrugated plastic sheet, Agricultural, Automotive

➤ Processing method

Extrusion, Injection molding

Physical	Method	Unit	Typical Value
Melt Index (230°C, 2.16 kg)	ISO 1133	g/10 min	4.5 ± 2.5
Density	ISO 1183	g/cm³	1.17 ± 0.02
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield	ISO 527	MPa	20 ± 2
Elongation @ yield	ISO 527	%	6 ± 2
Flexural modulus	ISO 178	MPa	1300 ± 250
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m²	10 ± 3
Hardness shore D	ISO 868	points	70 ± 2
Thermal	Method	Unit	Typical Value
H.D.T. (0.455 MPa)	ISO 75-2	°C	97 ± 2

Typical values; not to be construed as specifications.

Packaging: MC-25AL-4 is supplied in 25/850 kg bags.



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**Marun Compylene****MC-33AL-1**

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➤ **product description**

MC-33AL-1 is a polypropylene compound filled with 15% filler. This product is in pellet form with natural color.

➤ **Application**

Home appliances, Injection moulded parts, Monofilament

➤ **Processing method**

Injection moulding, Melt spinning

Physical	Method	Unit	Typical Value
Melt Index (230°C, 2.16 kg)	ISO 1133	g/10 min	7 ± 2
Density	ISO 1183	g/cm ³	1.01 ± 0.02
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield	ISO 527	MPa	30 ± 2
Elongation @ yield	ISO 527	%	5 ± 1
Flexural modulus	ISO 178	MPa	2000 ± 250
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m ²	4 ± 0.5
Hardness shore D	ISO 868	points	70 ± 2

Typical values; not to be construed as specifications.

Packaging: MC-33AL-1 is supplied in 25/850 kg bags.



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**Marun Compylene****MC-47PT-1**

h a v e i n n o v a t i o n w i t h u s

➤ product description

MC-47PT-1 is a polypropylene compound filled with 50% filler. This product is in pellet form with natural color.

➤ Application

Home appliances, Automotive applications

➤ Processing method

Injection moulding

Physical	Method	Unit	Typical Value
Melt Index (230°C, 2.16 kg)	ISO 1133	g/10 min	9 ± 2
Density	ISO 1183	g/cm³	1.35 ± 0.02
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield	ISO 527	MPa	16 ± 2
Tensile stress @ break	ISO 527	MPa	13 ± 1
Elongatiom @ break	ISO 527	%	20 ± 3
Flexural modulus	ISO 178	MPa	1900 ± 200
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m²	8.5 ± 1.5
Hardness shore D	ISO 868	points	60 ± 2

Typical values; not to be construed as specifications.

Packaging: MC-47PT-1 is supplied in 25/850 kg bags.



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MC-56IP-11

h a v e i n n o v a t i o n w i t h u s

➤ **product description**

MC-56IP-11 is a polypropylene compound filled with 40% filler. This product is in pellet form with black color.

➤ **Application**

Home appliances, Injection moulded parts, automotive applications

➤ **Processing method**

Injection moulding

Physical	Method	Unit	Typical Value
Melt Index (230 °C, 2.16 kg)	ISO 1133	g/10 min	13 ± 2
Density	ISO 1183	g/cm ³	1.21 ± 0.01
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield (5 mm/min)	ISO 527	MPa	25 ± 2
Elongation @ yield (5 mm/min)	ISO 527	%	2.6 ± 1
Flexural modulus	ISO 178	MPa	3400 ± 200
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m ²	3 ± 0.5
Thermal	Method	Unit	Typical Value
H.D.T. (Annealed)	ISO 75-2/Ae	°C	109 ± 2
Aging	Method	Unit	Typical Value
400 hr @ 150 °C	Ventilated oven	Visual	No visual of alteration signs
700 hr @ 150 °C	Ventilated oven	Visual	No visual of alteration signs

Typical values; not to be construed as specifications.

Packaging: MC-72IP-1 is supplied in 25/850 kg bags.



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➤ product description

MC-65AC-1 is a polypropylene compound filled with 30% filler. This product is in pellet form with natural color.

➤ Application

Home appliances,

➤ Processing method

Injection moulding

Physical	Method	Unit	Typical Value
Melt Index (230°C, 2.16 kg)	ISO 1133	g/10 min	16 ± 2
Density	ISO 1183	g/cm³	1.12 ± 0.02
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield	ISO 527	MPa	17 ± 2
Elongation @ yield	ISO 527	%	3 ± 1
Tensile modulus	ISO 527	MPa	1700 ± 200
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m²	7.5 ± 1.5
Hardness shore D	ISO 868	points	60 ± 2

Typical values; not to be construed as specifications.

Packaging: MC-65AC-1 is supplied in 25/850 kg bags.



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**Marun Compylene****MC-70IP-1**

h a v e i n n o v a t i o n w i t h u s

➤ product description

MC-70IP-1 is a P/E not filled compound. This product is in pellet form with natural color.

➤ Application

Home appliances, Injection moulded parts, interior trim in automotive applications

➤ Processing method

Injection moulding

Physical	Method	Unit	Typical Value
Melt Index (230°C, 2.16 kg)	ISO 1133	g/10 min	21 ± 2
Density	ISO 1183	g/cm ³	0.91 ± 0.01
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield	ISO 527	MPa	17 ± 2
Elongation @ yield	ISO 527	%	7.5 ± 1
Flexural modulus	ISO 178	MPa	1100 ± 100
Charpy impact strength (notched @ 23 °C)	ISO 179/1eA	kJ/m ²	16 ± 2
Thermal	Method	Unit	Typical Value
H.D.T. (Annealed)	ISO 75-2/B	°C	94 ± 2
Mold shrinkage (Ave)	MPPC method	1/1000	15

Typical values; not to be construed as specifications.

Packaging: MC-70IP-1 is supplied in 25/850 kg bags.



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**Marun Compylene****MC-72IP-1**

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➤ **product description**

MC-72IP-1 is a P/E compound filled with 12% filler. This product is in pellet form with natural color.

➤ **Application**

Home appliances, Injection moulded parts, automotive applications

➤ **Processing method**

Injection moulding

Physical	Method	Unit	Typical Value
Melt Index (230 °C, 2.16 kg)	ISO 1133	g/10 min	22 ± 2
Density	ISO 1183	g/cm ³	0.98 ± 0.01
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield (1 mm/min)	ISO 527	MPa	24 ± 2
Elongation @ yield (1 mm/min)	ISO 527	%	4 ± 1
Flexural modulus	ISO 178	MPa	2200 ± 200
Charpy impact strength (notched @ 23 °C)	ISO 179/1eA	kJ/m ²	5 ± 1
Thermal	Method	Unit	Typical Value
H.D.T. (Annealed)	ISO 75-2/B	°C	122 ± 2

Typical values; not to be construed as specifications.

Packaging: MC-72IP-1 is supplied in 25/850 kg bags.



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**Marun Compylene****MC-73EP-1**

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➤ **product description**

MC-73EP-1 is a P/E compound filled with 15% filler. This product is in pellet form with black color.

➤ **Application**

Home appliances, Injection moulded parts, automotive applications

➤ **Processing method**

Injection moulding

Physical	Method	Unit	Typical Value
Melt Index (230 °C, 2.16 kg)	ISO 1133	g/10 min	20 ± 2
Density	ISO 1183	g/cm ³	1.01 ± 0.01
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield	ISO 527	MPa	17 ± 2
Elongation @ yield	ISO 527	%	5 ± 1
Flexural modulus	ISO 178	MPa	1500 ± 200
Charpy impact strength (notched @ 23 °C)	ISO 179/1eA	kJ/m ²	N.B.
Charpy impact strength (notched @ -20 °C)	ISO 179/1eA	kJ/m ²	5.5 ± 1
Thermal	Method	Unit	Typical Value
H.D.T. (Annealed)	ISO 75-2/B	°C	100 ± 2

Typical values; not to be construed as specifications.

Packaging: MC-73EP-1 is supplied in 25/850 kg bags.



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**Marun Compylene****MC-74IP-1**

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➤ **product description**

MC-74IP-1 is a P/E compound filled with 20% filler. This product is in pellet form with natural color.

➤ **Application**

Home appliances, Injection moulded parts, interior trim in automotive applications

➤ **Processing method**

Injection moulding

Physical	Method	Unit	Typical Value
Melt Index (230°C, 2.16 kg)	ISO 1133	g/10 min	20 ± 2
Density	ISO 1183	g/cm ³	1.05 ± 0.01
Mechanical	Method	Unit	Typical Value
Flexural modulus	ISO 178	MPa	1800 ± 200
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m ²	42 ± 3
Thermal	Method	Unit	Typical Value
H.D.T. (Annealed)	ISO 75-2/B	°C	100 ± 2
Mold shrinkage (TD)	MPPC method	1/1000	9

Typical values; not to be construed as specifications.

Packaging: MC-74IP-1 is supplied in 25/850 kg bags.



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**Marun Compylene****MC-82BL-1**

h a v e i n n o v a t i o n w i t h u s

➤ product description

MC-82BL-1 is a polypropylene compound filled with 11% filler. This product is in pellet form with natural color.

➤ Application

Home appliances, Injection moulded parts

➤ Processing method

Injection moulding

Physical	Method	Unit	Typical Value
Melt Index (230°C, 2.16kg)	ISO 1133	gr/10min	23 ± 2
Density	ISO 1183	gr/cm ³	0.96 ± 0.02
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield	ISO 527	N/mm ²	21 ± 2
Elongation @ yield	ISO 527	%	5 ± 1
Elongation @ break	ISO 527	%	70 ± 2
Flexural modulus	ISO 178	N/mm ²	1150 ± 250
Izod impact strength (notched @23 °C)	ISO 180	KJ/m ²	8.5 ± 1
Hardness shore D	ISO 868	points	63 ± 2
Thermal	Method	Unit	Typical Value
Vicat softening temp.	ISO 306	°C	148 ± 2

Typical values; not to be construed as specifications.

Packaging: MC-82BL-1 is supplied in 25/850 kg bags.



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**Marun Compylene****MC-84AG-1**

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➤ **product description**

MC-84AG-1 is a polypropylene compound filled with 20% filler. This product is in pellet form with natural color.

➤ **Application**

Home appliances, Injection moulded parts

➤ **Processing method**

Injection moulding

Physical	Method	Unit	Typical Value
Melt Index (230°C, 2.16 kg)	ISO 1133	g/10 min	21 ± 3
Density	ISO 1183	g/cm ³	1.05 ± 0.02
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield	ISO 527	MPa	26 ± 2
Elongation @ yield	ISO 527	%	5 ± 1
Flexural modulus	ISO 178	MPa	2000 ± 200
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m ²	3 ± 0.5
Hardness shore D	ISO 868	points	71 ± 2

Typical values; not to be construed as specifications.

Packaging: MC-84AG-1 is supplied in 25/850 kg bags.



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**Marun Compylene****MC-84AG-3**

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➤ product description

MC-84AG-3 is a polypropylene compound filled with 25% filler. This product is in pellet form with natural color.

➤ Application

Home appliances, Injection moulded parts

➤ Processing method

Injection moulding

Physical	Method	Unit	Typical Value
Melt Index (230°C, 2.16 kg)	ISO 1133	g/10 min	25 ± 3
Density	ISO 1183	g/cm³	1.09 ± 0.02
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield	ISO 527	MPa	25 ± 2
Elongation @ yield	ISO 527	%	5 ± 1
Flexural modulus	ISO 178	MPa	2000 ± 250
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m²	3.3 ± 0.5
Hardness shore D	ISO 868	points	76 ± 2
Thermal	Method	Unit	Typical Value
H.D.T. (1.82 MPa)	ISO 75-2	°C	63 ± 2

Typical values; not to be construed as specifications.

Packaging: MC-84AG-3 is supplied in 25/850 kg bags.



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**Marun Compylene****MC-94AG-1**

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➤ product description

MC-94AG-1 is a polypropylene compound filled with 25% filler. This product is in pellet form with natural color.

➤ Application

Home appliances, Injection moulded parts

➤ Processing method

Injection moulding

Physical	Method	Unit	Typical Value
Melt Index (230°C, 2.16 kg)	ISO 1133	g/10 min	31 ± 3
Density	ISO 1183	g/cm³	1.09 ± 0.02
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield	ISO 527	MPa	26 ± 2
Elongation @ yield	ISO 527	%	5 ± 1
Flexural modulus	ISO 178	MPa	2000 ± 250
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m²	3.3 ± 0.5
Hardness shore D	ISO 868	points	75 ± 2
Thermal	Method	Unit	Typical Value
H.D.T. (0.455 MPa)	ISO 75-2	°C	121 ± 2

Typical values; not to be construed as specifications.

Packaging: MC-94AG-1 is supplied in 25/850 kg bags.



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**Marun Compylene****MC-34GF-1**

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➤ **product description**

MC-34GF-1 is a polypropylene reinforced compound with 20% glass fiber. This product is in pellet form with natural color.

➤ **Application**

Home appliances, Automotive applications, Packaging, Industrial applications

➤ **Processing method**

Injection molding

Physical	Method	Unit	Typical Value
Melt Index (230°C, 2.16 kg)	ISO 1133	g/10 min	8 ± 1.5
Density	ISO 1183	g/cm³	1.04 ± 0.02
Mechanical	Method	Unit	Typical Value
Tensile stress @ break	ISO 527	MPa	74 ± 3
Elongation @ break	ISO 527	%	5 ± 1
Flexural modulus	ISO 178	MPa	4200 ± 200
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m²	10 ± 2
Hardness shore D	ISO 868	points	77 ± 2
Thermal	Method	Unit	Typical Value
H.D.T. (1.82 MPa)	ISO 75-2	°C	152 ± 2

Typical values; not to be construed as specifications.

Packaging: MC-34GF-1 is supplied in 25/850 kg bags.



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**Marun Compylene****MC-35GF-1**

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➤ **product description**

MC-35GF-1 is a polypropylene reinforced compound with 30% glass fiber. This product is in pellet form with natural color.

➤ **Application**

Home appliances, Automotive applications, Packaging, Industrial applications

➤ **Processing method**

Injection molding

Physical	Method	Unit	Typical Value
Melt Index (230°C, 2.16 kg)	ISO 1133	g/10 min	6 ± 2
Density	ISO 1183	g/cm³	1.12 ± 0.02
Mechanical	Method	Unit	Typical Value
Tensile stress @ break	ISO 527	MPa	90 ± 3
Elongation @ break	ISO 527	%	3 ± 1
Flexural modulus	ISO 178	MPa	5700 ± 300
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m²	6 ± 1

Typical values; not to be construed as specifications.

Packaging: MC-35GF-1 is supplied in 25/850 kg bags.



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**Marun Compylene****MC-35GF-2**

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➤ **product description**

MC-35GF-2 is a polypropylene reinforced compound with 30% glass fiber. This product is in pellet form with natural color.

➤ **Application**

Home appliances, Automotive applications, Packaging, Industrial applications

➤ **Processing method**

Injection molding

Physical	Method	Unit	Typical Value
Melt Index (230°C, 2.16 kg)	ISO 1133	g/10 min	6.5 ± 1.5
Density	ISO 1183	g/cm³	1.12 ± 0.02
Mechanical	Method	Unit	Typical Value
Tensile stress @ break	ISO 527	MPa	90 ± 3
Elongation @ break	ISO 527	%	5 ± 1
Flexural modulus	ISO 178	MPa	5700 ± 300
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m²	14 ± 2
Hardness shore D	ISO 868		78 ± 2
Thermal	Method	Unit	Typical Value
H.D.T. (1.82 MPa)	ISO 75-2	°C	157 ± 2

Typical values; not to be construed as specifications.

Packaging: MC-35GF-2 is supplied in 25/850 kg bags.



**Marun Compylene****MC-35GF-3**

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➤ product description

MC-35GF-3 is a polypropylene reinforced compound with 30% glass fiber. This product is in pellet form with natural color.

➤ Application

Home appliances, Automotive applications, Packaging, Industrial applications

➤ Processing method

Injection molding

Physical	Method	Unit	Typical Value
Melt Index (230°C, 2.16 kg)	ISO 1133	g/10 min	5 ± 1.5
Density	ISO 1183	g/cm³	1.12 ± 0.02
Mechanical	Method	Unit	Typical Value
Tensile stress @ break	ISO 527	MPa	90 ± 3
Elongation @ break	ISO 527	%	5 ± 1
Flexural modulus	ISO 178	MPa	5600 ± 300
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m²	17 ± 2
Hardness shore D	ISO 868		78 ± 2
Thermal	Method	Unit	Typical Value
H.D.T. (1.82 MPa)	ISO 75-2	°C	157 ± 2

Typical values; not to be construed as specifications.

Packaging: MC-35GF-3 is supplied in 25/850 kg bags.



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**Marun Compylene****MC-36GF-1**

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➤ **product description**

MC-36GF-1 is a polypropylene reinforced compound with 40% glass fiber. This product is in pellet form with natural color.

➤ **Application**

Home appliances, Automotive applications, Packaging, Industrial applications

➤ **Processing method**

Injection molding

Physical	Method	Unit	Typical Value
Melt Index (230°C, 2.16 kg)	ISO 1133	g/10 min	4 ± 1.5
Density	ISO 1183	g/cm³	1.19 ± 0.02
Mechanical	Method	Unit	Typical Value
Tensile stress @ break	ISO 527	MPa	95 ± 3
Elongation @ break	ISO 527	%	3 ± 1
Flexural modulus	ISO 178	MPa	7500 ± 200
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m²	8 ± 2

Typical values; not to be construed as specifications.

Packaging: MC-36GF-1 is supplied in 25/850 kg bags.



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Marun Comthylene





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➤ product description

MC-01FA-2 is a polyethylene compound filled with 10% filler. This product is in pellet form with natural color.

➤ Application

Film extrusion, Carrier bag, Counter bag

➤ Processing method

Blown film extrusion

Physical	Method	Unit	Typical Value
Melt Index (190°C, 2.16 kg)	ISO 1133	g/10 min	0.40 ± 0.10
Melt Index (190°C, 21.6 kg)	ISO 1133	g/10 min	10 ± 2
Density	ISO 1183	g/cm³	1.01 ± 0.02
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield	ISO 527	MPa	23 ± 2
Elongation @ yield	ISO 527	%	8.5 ± 1
Flexural modulus	ISO 178	MPa	1000 ± 250
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m²	16 ± 2
Hardness shore D	ISO 868	points	66 ± 2
Thermal	Method	Unit	Typical Value
H.D.T. (0.455 MPa)	ISO 75-2	°C	81 ± 2

Typical values; not to be construed as specifications.

Packaging: MC-01FA-2 is supplied in 25/850 kg bags.



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**Marun Comthylene****MC-01DG-12**

h a v e i n n o v a t i o n w i t h u s

➤ **product description**

MC-01DG-12 is a polyethylene compound filled with 10% filler. This product is in pellet form with natural color.

➤ **Application**

Bottles, Containers, Packaging of pharmaceuticals & surfactants

➤ **Processing method**

Blow molding

Physical	Method	Unit	Typical Value
Melt Index (190 °C, 5 Kg)	ISO 1133	g/10min	1.3 ± 0.2
Density	ISO 1183	g/cm³	1.03 ± 0.01
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield	ISO 527	MPa	28 ± 2
Elongation @ yield	ISO 527	%	7 ± 1
Flexural modulus	ISO 178	MPa	1150 ± 50
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m²	45 ± 3
Hardness shore D	ISO 868	points	63 ± 1

Typical values; not to be construed as specifications.

Packaging: MC-01DG-12 is supplied in 25/850 kg bags.



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h a v e i n n o v a t i o n w i t h u s

➤ product description

MC-02DG-12 is a polyethylene compound filled with 20% filler. This product is in pellet form with natural color.

➤ Application

Bottles, Containers, Packaging of pharmaceuticals & surfactants

➤ Processing method

Blow molding

Physical	Method	Unit	Typical Value
Melt Index (190 °C, 5 Kg)	ISO 1133	g/10min	1.3 ± 0.2
Density	ISO 1183	g/cm ³	1.1 ± 0.01
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield	ISO 527	MPa	28 ± 2
Elongation @ yield	ISO 527	%	7 ± 1
Flexural modulus	ISO 178	MPa	1200 ± 50
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m ²	45 ± 3
Hardness shore D	ISO 868	points	65 ± 1

Typical values; not to be construed as specifications.

Packaging: MC-02DG-12 is supplied in 25/850 kg bags.



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**Marun Comthylene****MC-02DG-22**

h a v e i n n o v a t i o n w i t h u s

➤ product description

MC-02DG-22 is a polyethylene compound filled with 15% filler. This product is in pellet form with natural color.

➤ Application

Bottles, Containers, Packaging of pharmaceuticals & surfactants

➤ Processing method

Blow molding

Physical	Method	Unit	Typical Value
Melt Index (190 °C, 5 Kg)	ISO 1133	g/10min	1.3 ± 0.2
Density	ISO 1183	g/cm ³	1.05 ± 0.01
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield	ISO 527	MPa	28± 2
Elongation @ yield	ISO 527	%	7 ± 1
Flexural modulus	ISO 178	MPa	1200 ± 50
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m ²	45 ± 3
Hardness shore D	ISO 868	points	64 ± 1

Typical values; not to be construed as specifications.

Packaging: MC-02DG-22 is supplied in 25/850 kg bags.



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h a v e i n n o v a t i o n w i t h u s

➤ product description

MC-12DG-12 is a polyethylene compound filled with 5% filler. This product is in pellet form with natural color.

➤ Application

Bottles, Containers, Packaging of pharmaceuticals & surfactants

➤ Processing method

Blow molding

Physical	Method	Unit	Typical Value
Melt Index (190 °C, 5 Kg)	ISO 1133	g/10min	1.3 ± 0.2
Density	ISO 1183	g/cm ³	0.99 ± 0.01
Mechanical	Method	Unit	Typical Value
Tensile stress @ yield	ISO 527	MPa	27 ± 1
Elongation @ yield	ISO 527	%	8 ± 1
Flexural modulus	ISO 178	MPa	1100 ± 50
Izod impact strength (notched @ 23 °C)	ISO 180	kJ/m ²	62 ± 2
Hardness shore D	ISO 868	points	63 ± 1

Typical values; not to be construed as specifications.

Packaging: MC-12DG-12 is supplied in 25/850 kg bags.



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h a v e i n n o v a t i o n w i t h u s

➤ product description

MC-36AM-1 is a polyethylene compound filled with 40% filler. This product is in pellet form with natural color.

➤ Application

Sheet, Film, Injection molded parts

➤ Processing method

Blown film extrusion, Extrusion, Injection molding

Physical	Method	Unit	Typical Value
MFI (190 °C, 5 kg)	ISO 1133	g/10min	7 ± 2
Density	ISO 1183	g/cm ³	1.2 ± 0.02
Mineral content	ISO 3451	%	40 ± 2
Dispersion	MPPC method	-	OK
Moisture	MPPC method	%	Max 0.2

Typical values; not to be construed as specifications.

Packaging: MC-36AM-1 is supplied in 25/1000 kg bags.



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➤ product description

MC-01TC-31 is a high density polyethylene compound. This product is in pellet form with black color.

➤ Application

Steel pipe topcoat, PE coating

➤ Processing method

Extrusion

Physical	Method	Unit	Typical Value
Melt Index (190°C, 2.16kg)	ISO 1133	gr/10min	0.5 ± 0.1
Density (Granule)	ISO 1183	gr/cm³	0.941 ± 0.001
Density (MFR)	ISO 1183	gr/cm³	0.950 ± 0.001
Density of the base resin	ISO 1183	gr/cm³	≥ 0.93
Carbon black content	ISO 3451	%	2.25 ± 0.25
Carbon black dispersion	ISO 18553	Grade	≤ 3
Mechanical	Method	Unit	Typical Value
Tensile strength @ yield	ISO 527	MPa	17 ± 1
Tensile strength @ break	ISO 527	MPa	≥ 26
Elongation @ break	ISO 527	%	800 ± 100
Hardness shore D	ISO 868	Points	≥ 55
E.S.C.R. (1000 hr)	ASTM D 1693	-	NO crack / NO fracture



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Thermal	Method	Unit	Typical Value
Melting point	ISO 3146	C°	≥ 132
O.I.T. @ 210 C°	ISO 11357	Minute	≥ 70
Vicat softening temp.	ISO 306	C°	≥ 115
Brittleness temp.	ASTM D 746	C°	≤ -70
Aging	Method	Unit	Typical Value
U.V. resistance	ISO 21809-1	%	Δ MFR ≤ 35

Typical values; not to be construed as specifications.

Packaging: MC-01TC-31 is supplied in 25/850 kg bags.

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h a v e i n n o v a t i o n w i t h u s

➤ product description

MC-01PG-11 is a polyethylene compound. This product is in pellet form with black color.

➤ Application

Emitting tape

➤ Processing method

Extrusion

Physical	Method	Unit	Typical Value
Melt Index (190°C, 2.16kg)	ISO 1133	gr/10min	0.8 ± 0.4
Carbon black content	ISO 6964	%	1.7 ± 0.5
Carbon black dispersion	ISO 18553	-	≤ 3
Thermal	Method	Unit	Typical Value
O.I.T @ 200°C	ISO 11357	Minute	≥ 20

Typical values; not to be construed as specifications.

Packaging: MC-01PG-11 is supplied in 25/850 kg bags.



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h a v e i n n o v a t i o n w i t h u s

➤ product description

MC-01PG-21 is a polyethylene compound. This product is in pellet form with black color.

➤ Application

Collapsible pipe

➤ Processing method

Extrusion

Physical	Method	Unit	Typical Value
Melt Index (190°C, 2.16kg)	ISO 1133	gr/10min	0.8 ± 0.3
Carbon black content	ISO 6964	%	1.7 ± 0.5
Carbon black dispersion	ISO 18553	-	≤ 3
Thermal	Method	Unit	Typical Value
O.I.T @ 200°C	ISO 11357	Minute	≥ 20

Typical values; not to be construed as specifications.

Packaging: MC-01PG-21 is supplied in 25/850 kg bags.



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➤ product description

MC-01IP-11 is a polyethylene compound. This product is in pellet form with black color.

➤ Application

Irrigation pipe

➤ Processing method

Extrusion

Physical	Method	Unit	Typical Value
Melt Index (190°C, 2.16kg)	ISO 1133	gr/10min	0.5 ± 0.2
Carbon black content	ISO 6964	%	2.0 ± 0.25
Carbon black dispersion	ISO 18553	-	≤ 3
Thermal	Method	Unit	Typical Value
O.I.T @ 200°C	ISO 11357	Minute	≥ 20

Typical values; not to be construed as specifications.

Packaging: MC-01IP-11 is supplied in 25/850 kg bags.



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Masteradd





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➤ product description

MC-01AO-1 is an antioxidant masterbatch based on polyethylene resin. This product is in pellet form.

➤ Application

Film, Injection molded parts, Sheet,

➤ Processing method

Blown film extrusion, Extrusion, Injection molding

Physical	Method	Unit	Typical Value
Melt Index (190 °C, 2.16 kg)	ISO 1133	g/10 min	1.5 ± 1
Density	ISO 1183	g/cm ³	0.95 ± 0.02

Typical values; not to be construed as specifications.

Packaging: MC-01AO-1 is supplied in 25/850 kg bags.



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h a v e i n n o v a t i o n w i t h u s

➤ **product description**

MC-01AS-1 is an anti slip masterbatch based on polyethylene resin. This product is in pellet form.

➤ **Application**

Film, Injection molded parts, Sheet,

➤ **Processing method**

Blown film extrusion, Extrusion, Injection molding

Physical	Method	Unit	Typical Value
Melt Index (190 °C, 2.16 kg)	ISO 1133	g/10 min	1.5 ± 1
Density	ISO 1183	g/cm ³	0.95 ± 0.02

Typical values; not to be construed as specifications.

Packaging: MC-01AS-1 is supplied in 25/850 kg bags.



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➤ product description

MC-80OB-1 is an whitening masterbatch based on polypropylene resin. This product is in pellet form.

➤ Application

Film, Injection molded parts, Sheet,

➤ Processing method

Blown film extrusion, Extrusion, Injection molding

Physical	Method	Unit	Typical Value
Melt Index (230 °C, 2.16 kg)	ISO 1133	g/10 min	25 ± 2
Density	ISO 1183	g/cm ³	0.91 ± 0.01

Typical values; not to be construed as specifications.

Packaging: MC-80OB-1 is supplied in 25/850 kg bags.



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h a v e i n n o v a t i o n w i t h u s

➤ product description

MC-81GU-1 is a light stabilizer masterbatch based on polyethylene resin. This product is in pellet form.

➤ Application

Film, Injection molded parts, Sheet,

➤ Processing method

Blown film extrusion, Extrusion, Injection molding

Physical	Method	Unit	Typical Value
Melt Index (190 °C, 2.16 kg)	ISO 1133	g/10 min	22 ± 2
Density	ISO 1183	g/cm ³	0.95 ± 0.02
Active ingredient	-	%	10

Typical values; not to be construed as specifications.

Packaging: MC-81GU-1 is supplied in 25/850 kg bags.



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h a v e i n n o v a t i o n w i t h u s

➤ **product description**

MC-81GU-2 is a light stabilizer masterbatch based on polyethylene resin. This product is in pellet form.

➤ **Application**

Film, Injection molded parts, Sheet,

➤ **Processing method**

Blown film extrusion, Extrusion, Injection molding

Physical	Method	Unit	Typical Value
Melt Index (190 °C, 2.16 kg)	ISO 1133	g/10 min	22 ± 2
Density	ISO 1183	g/cm ³	0.95 ± 0.02
Active ingredient	-	%	20

Typical values; not to be construed as specifications.

Packaging: MC-81GU-2 is supplied in 25/850 kg bags.



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Masterlime





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➤ product description

MC-08RF-2 is a polyolefin masterbatch filled with 80% filler. This product is in pellet form with natural color.

➤ Application

PP raffia bag, PP twine and strapping band

➤ Processing method

Melt spinning

Physical	Method	Unit	Typical Value
Density	ISO 1183	g/cm ³	1.88 ± 0.02
Mineral content	ISO 3451	%	80 ± 2
Dispersion	MPPC method	-	OK
Moisture	MPPC method	%	Max 0.2

Typical values; not to be construed as specifications.

Packaging: MC-08RF-2 is supplied in 25/1000 kg bags.

Pre-heating or drying might be required before using.



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h a v e i n n o v a t i o n w i t h u s

➤ product description

MC-09GB-2 is a polyethylene masterbatch filled with 84% filler. This product is in pellet form with natural color.

➤ Application

Injection molded parts

➤ Processing method

Injection molding

Physical	Method	Unit	Typical Value
Melt Index (190°C, 5 kg)	ISO 1133	g/10 min	0.15 ± 0.10
Density	ISO 1183	g/cm³	2.0 ± 0.02
Mineral content	ISO 3451	%	84 ± 2
Moisture	MPPC method	%	Max 0.2

Typical values; not to be construed as specifications.

Packaging: MC-09GB-2 is supplied in 25/1000 kg bags.

Pre-heating or drying might be required before using.



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h a v e i n n o v a t i o n w i t h u s

➤ product description

MC-09GB-11 is a polyethylene masterbatch filled with 84% filler. This product is in pellet form with natural color.

➤ Application

Injection molded parts

➤ Processing method

Injection molding

Physical	Method	Unit	Typical Value
Melt Index (190°C, 5 kg)	ISO 1133	g/10 min	0.15 ± 0.10
Density	ISO 1183	g/cm³	2.0 ± 0.02
Mineral content	ISO 3451	%	84 ± 2
Moisture	MPPC method	%	Max 0.2

Typical values; not to be construed as specifications.

Packaging: MC-09GB-11 is supplied in 25/1000 kg bags.

Pre-heating or drying might be required before using.



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h a v e i n n o v a t i o n w i t h u s

➤ product description

MC-18MF-1 is a polyethylene masterbatch filled with 80% filler. This product is in pellet form with natural color.

➤ Application

Film extrusion, Sheet, Injection molded parts

➤ Processing method

Blown film extrusion, Injection molding, Extrusion

Physical	Method	Unit	Typical Value
Melt Index (190°C, 5 kg)	ISO 1133	g/10 min	2.5 ± 1
Density	ISO 1183	g/cm ³	1.88 ± 0.02
Mineral content	ISO 3451	%	80 ± 2
Dispersion	MPPC method	-	OK
Moisture	MPPC method	%	Max 0.2

Typical values; not to be construed as specifications.

Packaging: MC-18MF-1 is supplied in 25/1000 kg bags.

Pre-heating or drying might be required before using.



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h a v e i n n o v a t i o n w i t h u s

➤ product description

MC-37AM-1 is a polyethylene masterbatch filled with 60% filler. This product is in pellet form with natural color.

➤ Application

Sheet, Film, Injection molded parts

➤ Processing method

Blown film extrusion, Extrusion, Injection molding

Physical	Method	Unit	Typical Value
MFI (190 °C, 5 kg)	ISO 1133	g/10min	4 ± 2
Density	ISO 1183	g/cm ³	1.42 ± 0.02
Mineral content	ISO 3451	%	60 ± 2
Dispersion	MPPC method	-	OK
Moisture	MPPC method	%	Max 0.2

Typical values; not to be construed as specifications.

Packaging: MC-37AM-1 is supplied in 25/1000 kg bags.

Pre-heating or drying might be required before using.



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h a v e i n n o v a t i o n w i t h u s

➤ product description

MC-38GB-2 is a polyethylene masterbatch filled with 80% filler. This product is in pellet form with natural color.

➤ Application

Film extrusion, Injection molded parts

➤ Processing method

Blown film extrusion, Injection molding

Physical	Method	Unit	Typical Value
Melt Index (190°C, 5 kg)	ISO 1133	g/10 min	0.40 ± 0.15
Density	ISO 1183	g/cm³	1.88 ± 0.02
Mineral content	ISO 3451	%	80 ± 2
Dispersion	MPPC method	-	OK
Moisture	MPPC method	%	Max 0.2

Typical values; not to be construed as specifications.

Packaging: MC-38GB-2 is supplied in 25/1000 kg bags.

Pre-heating or drying might be required before using.



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Marun

Masterwhite





h a v e i n n o v a t i o n w i t h u s

➤ product description

MC-58GA-12 is a white masterbatch filled with 70% filler. This product is in pellet form with white color.

➤ Application

PP raffia bag, Film, Injection molding parts,

➤ Processing method

Blown film extrusion, Melt spinning, Injection molding

Physical	Method	Unit	Typical Value
Density	ISO 1183	g/cm ³	1.81 ± 0.02
Mineral content	ISO 3451	%	70 ± 2
Dispersion	MPPC method	-	OK
Moisture	MPPC method	%	Max 0.2

Typical values; not to be construed as specifications.

Packaging: MC-58GA-12 is supplied in 25/1000 kg bags.

Pre-heating or drying might be required before using.



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