

HANWHA

Low Density Polyethylene

5318

Blown Film Grade

MELT INDEX

3.0

DENSITY

0.923

HANWHA LDPE 5318 is manufactured by ICI autoclave high pressure process and designed for general purpose film. LDPE 5318 has well balanced property of mechanical and optical property.

This product complies with U.S. FDA regulation 21 CFR 177.1520 (c) 2.1.

□ Outstanding Properties

Good Optical Property
Good Mechanical Property

□ Processing Conditions

Melt Temperature : 140 ~ 170°C
Blow-up Ratio : 2 ~ 3
Optimum Gage Range : 0.025 ~ 0.1 mm

□ Additives

Slip agent, Anti-block agent

□ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	3.0
Density	g/cc	ASTM D1505	0.923
Vicat Softening Point	°C	ASTM D1525	88
Melting Point	°C	HCC Method	111
Tensile Strength at Break	kg/cm ²	ASTM D638	120
Elongation at Break	%	ASTM D638	700
Brittleness Temperature, F ₀	°C	ASTM D746	< -76
Film Properties	Unit	Test Method	Value
Film Thickness	mm	HCC Method	0.03
Tensile Strength at Break	MD TD	kg/cm ²	230 200
Elongation at Break	MD TD	%	300 550
Tensile Tear Strength	MD TD	kg/cm	95 90
Dart Impact Strength	g	ASTM D1709	75
Haze	%	ASTM D1003	7.0

1. These are typical properties : not to be construed as specification.
2. The value for this property is dependent on part geometry and fabrication conditions.



Hanwha Solutions

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