

Hanwha

Linear Low Density Polyethylene

2558

Rotational molding Grade

MELT INDEX 5.0
DENSITY 0.935

HANWHA LLDPE 2558 is designed for rotational molding applications. This grade offers excellent balance of processability, physical properties and good color stability & ESCR.

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

□ Benefits and Features

- Balanced physical properties
- Very good stress cracking resistance
- Excellent processing performances
- High impact strength

□ Additives

- Antioxidant, UV Stabilizer

□ Resin Properties

Test Items	Unit	Test Method	Typical Value
Melt Index	g/10min	ASTM D1238	5.0
Density	g/cc	ASTM D1505	0.935
Tensile Strength at Break	kg/cm ²	ASTM D638	250
Elongation at Break	%	ASTM D638	900
Flexural Modulus	kg/cm ²	ASTM D790	6600
Hardness	Shore D	ASTM 2240	58
Izod Impact Strength (23°C)	kgf·cm/cm	ASTM D256	70
Melting Point	°C	ASTM D2117	124
Vicat Softening Point	°C	ASTM D1525	110
Brittleness Temperature	°C	ASTM D746	<-80
ESCR	F50 Hours	ASTM D1693	>300

1. The values given are typical values measured on the product.
2. These values should not be considered as specification.

