

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.

