

SABIC R50035 Linear Low Density Polyethylene for Rotational Molding

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Rotational Molding Grade

Material Notes:

Product Description: R50035 are Linear Low Density Polyethylene grades designed to provide excellent stress crack resistance, mechanical properties with high rigidity, toughness, gloss and low warpage. R50035 Series includes the following grades: R50035: Non UV stabilized, Pellets R50035E: UV stabilized, Pellets RG50035: Non UV stabilized, Powder
Typical Applications: Rotational molding of large industrial and agricultural tanks, trash containers and chemical shipping drums. They are also suitable for injection molding applications like caps, closures and housewares. RG50035 is suitable for producing compounds & masterbatches. Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-R50035-Linear-Low-Density-Polyethylene-for-Rotational-Molding.php

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in ³	ASTM D1505
ESCR 100% Igepal®	>= 150 hour	>= 150 hour	F50; ASTM D1693B
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 190 °C	5.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength at Break	17.0 MPa	2470 psi	ASTM D638
Tensile Strength, Yield	16.0 MPa	2320 psi	ASTM D638
Elongation at Break	590 %	590 %	ASTM D638
Flexural Strength	13.0 MPa	1890 psi	ASTM D790
1% Secant Modulus	420 MPa	60900 psi	ASTM D638

Thermal Properties	Metric	English	Comments
Vicat Softening Point	114 °C	237 °F	ASTM D1525
Brittleness Temperature	<= -75.0 °C	<= -103 °F	ASTM D746

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China