

SABIC R40039E Medium Density Polyethylene for Rotational Molding

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Rotational Molded

Material Notes:

Product Description: R40039E is a Medium Density Polyethylene grade designed to provide excellent mechanical properties with high rigidity, toughness, gloss and low warpage. R40039E is UV stabilized and can be used for outdoor applications. Typical Applications: Rotational molding of large industrial and agricultural tanks, trash containers and chemical shipping drums. Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-R40039E-Medium-Density-Polyethylene-for-Rotational-Molding.php

Physical Properties	Metric	English	Comments
Density	0.939 g/cc	0.0339 lb/in ³	ASTM D1505
ESCR 100% Igepal®	>= 150 hour	>= 150 hour	F50; ASTM D1693B
Melt Flow	3.5 g/10 min @Load 2.16 kg, Temperature 190 °C	3.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	69	69	ASTM D2240
Tensile Strength at Break	19.0 MPa	2760 psi	ASTM D638
Tensile Strength, Yield	18.0 MPa	2610 psi	ASTM D638
Elongation at Break	580 %	580 %	ASTM D638
Flexural Strength	15.0 MPa	2180 psi	ASTM D790
1% Secant Modulus	480 MPa	69600 psi	ASTM D638

Thermal Properties	Metric	English	Comments
Vicat Softening Point	119 °C	246 °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