

Polimeros Mexicanos Rotolene® Diesel Tank Medium Density Polyethylene

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

Material Notes:

Hexene Copolymer Linear Medium Density Polyethylene. This resin is fully UV8 stabilized. High quality Polyethylene compound specially designed for automotive applications, water tanks, diesel tanks and those applications requiring very good mechanical properties, bubble-free parts and smooth surface finish. Meets CONEG regulation for articles intended for direct food contact. Information provided by Polimeros Mexicanos

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeros-Mexicanos-Rotolene-Diesel-Tank-Medium-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Bulk Density	0.330 - 0.390 g/cc	0.0119 - 0.0141 lb/in ³	ASTM D1895
Density	0.935 g/cc	0.0338 lb/in ³	ASTM D792
Particle Mesh Size	35 Mesh	35 Mesh	less than 2%; ASTM D1921
ESCR 100% Igepal®	>= 1000 hour	>= 1000 hour	ASTM D1693
ESCR 10% Igepal®	300 hour	300 hour	
Melt Flow	5.2 g/10 min @Load 2.16 kg, Temperature 190 °C	5.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	18.6 MPa	2700 psi	50 mm/min; ASTM D638
Elongation at Yield	11.8 %	11.8 %	(2 in/min); ASTM D638
Flexural Modulus	0.689 GPa	100 ksi	1.3 mm/min; ASTM D790B
Impact Test	61.0 J @Temperature -40.0 °C	45.0 ft-lb @Temperature -40.0 °F	0.125 in.; ARM test

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	50.0 °C	122 °F	ASTM D648

Descriptive Properties	Value	Comments
Pourability	2.5 - 4 gr/s	

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