

ExxonMobil HDP8660.29 Rotational Molding Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Rotational Molding Grade

Material Notes:

Product Description: HD 8660 series are high density hexane copolymers designed to offer superior toughness and stiffness. They are ideally suited for applications that require the optimum balance of low temperature toughness, creep resistance, stiffness, ESCR and tear properties.
Availability: Latin America, North America and South America
Additive: Long Term UV-15 Stabilizer: Yes
Applications: Industrial Products
Intermediate Bulk Containers: Large Agricultural Tanks
 Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-HDP866029-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.942 g/cc	0.0340 lb/in ³	ASTM D4883
ESCR 100% Igepal®	550 hour	550 hour	ASTM D1693 Condition A
ESCR 10% Igepal®	50 hour	50 hour	ASTM D1693 Condition A
Melt Flow	2.00 g/10 min @Load 2.16 kg, Temperature 190 °C	2.00 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.0 MPa	2900 psi	2.0 in/min; ASTM D638
Elongation at Yield	20 %	20 %	2.0 in/min; ASTM D638
Flexural Modulus	0.896 GPa	130 ksi	1% Secant; ASTM D790
Impact Test	108 J @Thickness 3.17 mm, Temperature -40.0 °C	80.0 ft-lb @Thickness 0.125 in, Temperature -40.0 °F	ARM
	244 J @Thickness 6.35 mm, Temperature 25.0 °C	180 ft-lb @Thickness 0.250 in, Temperature 77.0 °F	ARM

Thermal Properties	Metric	English	Comments
Melting Point	129 °C	264 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	67.0 °C	153 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	41.0 °C	106 °F	ASTM D648

Descriptive Properties	Value	Comments
Features	Long Term UV 8 Stabilization	
Form	35 US Mesh Powder	

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