

ExxonMobil HDP8760.29 Rotational Molding Resin

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

Material Notes:

Product Description: HD 8760 is a high density hexene copolymer designed to offer outstanding stiffness and processability. This resin is ideally suited for applications that require the optimum balance of stiffness, processability and surface appearance. Availability: Latin America, North America and South America Additive: Long Term UV-15 Stabilizer: Yes Applications: Consumer Articles RV tanks Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-HDP876029-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.948 g/cc	0.0342 lb/in ³	ASTM D4883
ESCR 100% Igepal®	10 hour	10 hour	ASTM D1693 Condition A
ESCR 10% Igepal®	8.0 hour	8.0 hour	ASTM D1693 Condition A
Melt Flow	5.00 g/10 min @Load 2.16 kg, Temperature 190 °C	5.00 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.4 MPa	3400 psi	2.0 in/min; ASTM D638
Elongation at Yield	20 %	20 %	2.0 in/min; ASTM D638
Flexural Modulus	1.03 GPa	150 ksi	1% Secant; ASTM D790
Impact Test	78.6 J @Thickness 3.17 mm, Temperature -40.0 °C	58.0 ft-lb @Thickness 0.125 in, Temperature -40.0 °F	ARM
	176 J @Thickness 6.35 mm, Temperature -40.0 °C	130 ft-lb @Thickness 0.250 in, Temperature -40.0 °F	ARM

Thermal Properties	Metric	English	Comments
Melting Point	131 °C	268 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	74.0 °C	165 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	43.0 °C	109 °F	ASTM D648

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

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