

ExxonMobil Paxon™ 7003 Crosslinkable Rotational Molding Resin

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

Material Notes:

Product Description: Paxon™ 7000 series of crosslinkable mHDPE resins are designed to offer outstanding ESCR, toughness, thermal, impact and notch failure resistance. These resins are ideally suited for applications that require excellent part fill during processing and outstanding finished part performance. Paxon™ 7000 series grades are all supplied with long term UV stabilization. **Availability:** Latin America, North America and South America **Applications:** Agricultural ProductsAutomotive ComponentsChemical Storage TanksLarge Refuse ContainersMarine Fuel TanksRecreational Vehicle – Fuel Tanks **Information provided by ExxonMobil Chemical**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Paxon-7003-Crosslinkable-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
ESCR 100% Igepal®	>= 1000 hour	>= 1000 hour	F50; ASTM D1693A
ESCR 10% Igepal®	>= 1000 hour	>= 1000 hour	F50; ASTM D1693A

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	19.3 MPa	2800 psi	ASTM D638
Elongation at Break	700 %	700 %	ASTM D638
Elongation at Yield	20 %	20 %	ASTM D638
Flexural Modulus, 1% Secant	600 MPa	87000 psi	ASTM D790B
Izod Impact, Notched	2.40 J/cm @Temperature -40.0 °C	4.50 ft-lb/in @Temperature -40.0 °F	ASTM D256
Impact Test	100 J @Thickness 3.17 mm, Temperature -40.0 °C	74.0 ft-lb @Thickness 0.125 in, Temperature -40.0 °F	ARM
	249 J @Thickness 6.35 mm, Temperature -40.0 °C	184 ft-lb @Thickness 0.250 in, Temperature -40.0 °F	ARM

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	142 °C	288 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	99.0 °C	210 °F	ASTM D648

Descriptive Properties	Value	Comments
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Descriptive Properties

Value

Comments Method

Contact Songhan Plastic Technology Co.,Ltd.

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