

NOVA Chemicals Novapol® TR-0735-UG Hexene MDPE Rotational Molding Resin

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

Material Notes:

Features: Good impact properties Excellent processability NSF listed for Stds. 14, 24 and 61 Applications: Toys Complex custom parts Home and garden items Mailboxes Information provided by Nova Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-TR-0735-UG-Hexene-MDPE-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in ³	ASTM D792
ESCR 100% Igepal®	>= 1000 hour	>= 1000 hour	Condition A; ASTM D1693
ESCR 10% Igepal®	220 hour	220 hour	Condition A; ASTM D1693
Melt Flow	7.0 g/10 min @Load 2.16 kg, Temperature 190 °C	7.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.3 MPa	2510 psi	ASTM D638
Flexural Modulus	0.780 GPa	113 ksi	ASTM D790
Impact Test	67.8 J @Thickness 3.17 mm	50.0 ft-lb @Thickness 0.125 in	ARM Method
	203 J @Thickness 6.35 mm	150 ft-lb @Thickness 0.250 in	ARM Method

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	47.0 °C	117 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	37.3 °C	99.1 °F	ASTM D648

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