

NOVA Chemicals Novapol® HB-W646-U HDPE Blow Molding Resin

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

Material Notes:

Features: High molecular weight HDPE Excellent ESCR Impact strength Good processability Applications: Drums Jerry cans IBCs Marine fuel tanks
Information provided by Nova Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-HB-W646-U-HDPE-Blow-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.946 g/cc	0.0342 lb/in ³	ASTM D792
ESCR 100% Igepal®	>= 1000 hour	>= 1000 hour	Condition A; ASTM D1693
	>= 1000 hour	>= 1000 hour	Condition B; ASTM D1693
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 190 °C	6.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.0 MPa	3480 psi	ASTM D638
Elongation at Break	840 %	840 %	ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	ASTM D790
Izod Impact, Notched	4.00 J/cm @Thickness 3.20 mm	7.49 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -100 °C	<= -148 °F	F₅₀, notched specimen; ASTM D746

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