

NOVA Chemicals Novapol® HB-W355-A HDPE Blow Molding Resin

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

Material Notes:

Molded Plaque Properties.Applications: drums, large industrial parts.Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-HB-W355-A-HDPE-Blow-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in ³	ASTM D792
Environmental Stress Crack Resistance	>= 500 hour	>= 500 hour	F50, Condition A, ASTM D1693, 100% Igepal
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 190 °C	3.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D638
Elongation at Break	820 %	820 %	ASTM D638
Flexural Modulus	1.38 GPa	200 ksi	ASTM D790
Izod Impact, Notched	7.80 J/cm	14.6 ft-lb/in	Notched/Unnotched not specified; ASTM D256

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -100 °C	<= -148 °F	ASTM D696

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 220 °C	356 - 428 °F	

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