

## NOVA Chemicals Novapol® HB-W747-A HDPE Extrusion Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Extruded

**Material Notes:**

Molded Plaque Properties. Features: High molecular weight, excellent ESCR, impact strength, easy processing. Data provided by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NOVA-Chemicals-Novapol-HB-W747-A-HDPE-Extrusion-Resin.php](http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-HB-W747-A-HDPE-Extrusion-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.947 g/cc	0.0342 lb/in <sup>3</sup>	ASTM D792
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	F50, Condition A OR B, ASTM D1693, 100% Igepal
Melt Flow	8.5 g/10 min @Load 2.16 kg, Temperature 190 °C	8.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.0 MPa	3340 psi	ASTM D638
Elongation at Break	830 %	830 %	ASTM D638
Flexural Modulus	1.20 GPa	174 ksi	ASTM D790
Izod Impact, Notched	4.00 J/cm	7.49 ft-lb/in	Notched/Unnotched not specified; ASTM D256
Tensile Impact Strength	480 kJ/m <sup>2</sup>	228 ft-lb/in <sup>2</sup>	ASTM D1822

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	

## Contact Songhan Plastic Technology Co.,Ltd.

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