

NOVA Chemicals Novapol® HB-Y556-A HDPE Extrusion Resin (discontinued **)

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

Material Notes:

Molded Plaque Properties. Features: Excellent ESCR, high rigidity and impact strength, good melt strength. Applications: chemical bottles, toys, blend for use with post-consumer resins. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-HB-Y556-A-HDPE-Extrusion-Resin-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|---------------------------------------|---|---|---|
| Density | 0.956 g/cc | 0.0345 lb/in ³ | ASTM D792 |
| Environmental Stress Crack Resistance | >= 170 hour | >= 170 hour | F50, Condition B, ASTM D1693, 100% Igepal |
| Melt Flow | 0.70 g/10 min @Load 2.16 kg, Temperature 190 °C | 0.70 g/10 min @Load 4.76 lb, Temperature 374 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|----------|----------|-----------|
| Tensile Strength, Ultimate | 28.0 MPa | 4060 psi | ASTM D638 |
| Elongation at Break | 750 % | 750 % | ASTM D638 |
| Flexural Modulus | 1.52 GPa | 220 ksi | ASTM D790 |

| Thermal Properties | Metric | English | Comments |
|-------------------------|-------------|------------|-----------|
| Brittleness Temperature | <= -85.0 °C | <= -121 °F | ASTM D696 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature | 160 - 205 °C | 320 - 401 °F | |

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