

NOVA Chemicals Sclair® 2906 HDPE Injection Molding Resin

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

Material Notes:

NOVA Chemicals' polyethylene resins are chemically and biologically inert. Features: Excellent toughness and impact resistance, High stiffness, Excellent processing stability, High Gloss. Additives: Antioxidants. Applications: Protective sports equipment, Safety helmets, High impact custom molding

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-2906-HDPE-Injection-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.958 g/cc	0.0346 lb/in ³	ASTM D 792
Melt Flow	2.8 g/10 min @Load 2.16 kg, Temperature 190 °C	2.8 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	ASTM D 2240
Tensile Strength, Yield	30.0 MPa	4350 psi	50 mm/min test speed; ASTM D 638
Elongation at Break	1600 %	1600 %	50 mm/min test speed; ASTM D 638
Flexural Modulus	1.24 GPa	180 ksi	ASTM D 790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	129 °C	264 °F	ASTM D 1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D 746

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 250 °C	374 - 482 °F	Recommended

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