

NOVA Chemicals Sclair® 2815 HDPE Injection Molding Resin

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

Material Notes:

Features: Excellent balance of stiffness and toughness, low odor. Applications: Margarine and spreads, thin walled containers, frozen food containers. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-2815-HDPE-Injection-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.954 g/cc	0.0345 lb/in ³	ASTM D792
Apparent Bulk Density	0.610 g/cc	0.0220 lb/in ³	
Melt Flow	67 g/10 min @Load 2.16 kg, Temperature 190 °C	67 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Spiral Flow	38.0 cm	15.0 in	NOVA Snake Flow Test

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	ASTM D2240
Tensile Strength, Yield	27.0 MPa	3920 psi	ASTM D638
Flexural Modulus	1.07 GPa	155 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	123 °C	253 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	170 - 260 °C	338 - 500 °F	

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