

NOVA Chemicals Sclair® 2714 HDPE Injection Molding Resin

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

Material Notes:

Features: Excellent processability for applications requiring good stiffness and toughness, good cold temperature impact properties. Applications: Food containers and lids, frozen food containers. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-2714-HDPE-Injection-Molding-Resin.php

Physical Properties	Metric	English	Comments
Bulk Density	0.580 g/cc	0.0210 lb/in ³	
Density	0.951 g/cc	0.0344 lb/in ³	ASTM D792
Melt Flow	51 g/10 min @Load 2.16 kg, Temperature 190 °C	51 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Spiral Flow	36.0 cm	14.2 in	NOVA Snake Flow Test

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ASTM D2240
Tensile Strength, Yield	23.0 MPa	3340 psi	50 mm/min; ASTM D638
	29.0 MPa	4210 psi	500 mm/min
Elongation at Break	15 %	15 %	ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	119 °C	246 °F	ASTM D1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D696

Processing Properties	Metric	English	Comments
Melt Temperature	170 - 280 °C	338 - 536 °F	

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