

NOVA Chemicals Sclair® 2712 HDPE Injection Molding Resin

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

Material Notes:

Features: Good stiffness and impact resistance, minimal warpage, good top loading capability, high surface gloss. Applications: Aerosol overcaps, food containers, frozen food containers, seedling trays, berry boxes. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-2712-HDPE-Injection-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.951 g/cc	0.0344 lb/in ³	ASTM D792
Melt Flow	32 g/10 min @Load 2.16 kg, Temperature 190 °C	32 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Spiral Flow	30.5 cm	12.0 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	ASTM D638
Elongation at Break	200 %	200 %	ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	120 °C	248 °F	ASTM D1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D696

Processing Properties	Metric	English	Comments
Melt Temperature	170 - 230 °C	338 - 446 °F	

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