NOVA Chemicals Sclair® IG464-C Compression Molded HDPE Resin

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

Material Notes:

IG464-C complies with the U.S. FDA specifications for olefin polymers and may thus be used in the United States as an article or component of an article intended for use in contact with food. IG464-C is subject to the specific limitation that it may contact food only at temperatures of 212°F and below.NOVA Chemicals' polyethylene resins are chemically and biologically inert.Features: Superior stiffness allows for part thinwalling and enhanced stacking strength, Low viscosity for exceptional processability yielding shorter cycle times and energy savings, Exceptional physical properties provide impact resistance for demanding applications, Low warpage for improved part quality and reliabilityAdditives: AntioxidantApplications: Crates, Pallets, Totes, Pails

Order this product through the following link:
http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-IG464-C-Compression-Molded-HDPE-Resin.php

Physical Properties	Metric	English	Comments
Density	0.964 g/cc	0.0348 lb/in³	ASTM D 792
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 190 °C	10 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	68	68	ASTM D 2240
Tensile Strength at Break	15.0 MPa	2180 psi	50 mm/min test speed; ASTM D 638
Tensile Strength, Yield	33.0 MPa	4790 psi	50 mm/min test speed; ASTM D 638
Elongation at Break	100 %	100 %	50 mm/min test speed; ASTM D 638
Elongation at Yield	7.0 %	7.0 %	50 mm/min test speed; ASTM D 638
Flexural Modulus, 1% Secant	1700 MPa	247000 psi	ASTM D 790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	131 °C	268 °F	ASTM D 1525

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