

NOVA Chemicals Surpass® IFs730-R Octene sMDPE Food Packaging Lid Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Molded

Material Notes:

IFs730-R complies with the U.S. FDA regulations 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. NOVA Chemicals' polyethylene resins are biologically and chemically inert. Features: Outstanding processability yielding improved cycle times, Low warpage for improved part quality and reliability, Superior cold temperature impact resistance, Excellent organoleptic properties. Additives: Antioxidant, Mold release. Applications: Thin wall lids for food packaging containers

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Surpass-IFs730-R-Octene-sMDPE-Food-Packaging-Lid-Resin.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	ASTM D 792
Melt Flow	85 g/10 min @Load 2.16 kg, Temperature 190 °C	85 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ASTM D 2240
Tensile Strength at Break	9.20 MPa	1330 psi	Rate of 50 mm/min; ASTM D 638
Tensile Strength, Yield	15.2 MPa	2200 psi	Rate of 50 mm/min; ASTM D 638
Elongation at Break	104 %	104 %	Rate of 50 mm/min; ASTM D 638
Elongation at Yield	12 %	12 %	Rate of 50 mm/min; ASTM D 638
Tensile Modulus	0.618 GPa	89.6 ksi	1% Secant; ASTM D 638
Flexural Modulus, 1% Secant	526 MPa	76300 psi	ASTM D 790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	101 °C	214 °F	ASTM 1525

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