

Braskem INSPIRE™ 117 Performance Polypropylene Polymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Blow Molding Grade , Polypropylene, Extrusion Grade

Material Notes:

D 117.00 Developmental Performance Polymer is a propylene-based resin intended for use in extrusion blow molding and thermoforming applications where stiffness, toughness, high temperature resistance, and clarity are required. Outstanding heat resistance Excellent balance of high stiffness and toughness Good contact clarity and gloss Low taste and odor transfer Contains a nucleating agent Complies with U.S. FDA 21 CFR 117.1520(c) This product line was spun off from Dow Chemical to Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-INSPIRE-117-Performance-Polypropylene-Polymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792
Melt Index of Compound	2.1 g/10 min @Load 2.16 kg, Temperature 230 °C	2.1 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	33.8 MPa	4900 psi	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Flexural Modulus, 1% Secant	1720 MPa	249000 psi	ASTM D790A
Izod Impact, Notched	5.60 J/cm	10.5 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	116 °C	241 °F	Unannealed; ASTM D648

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