

Dow T702-12N Polypropylene Impact Copolymer Resin

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

Dow Announced Sale of Global Polypropylene Business to Braskem in July 2011.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-T702-12N-Polypropylene-Impact-Copolymer-Resin.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ISO 1183
Melt Index of Compound	12 g/10 min	12 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.7 MPa	3000 psi	ISO 527-2/50
Tensile Modulus	1.10 GPa	160 ksi	ISO 527-2
Flexural Modulus	1.15 GPa	167 ksi	ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	ISO 180
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	13.0 kJ/m ²	6.19 ft-lb/in ²	ISO 180
	@Temperature -10.0 °C	@Temperature 14.0 °F	
Dart Drop, Total Energy	48.0 kJ/m ²	22.8 ft-lb/in ²	ISO 180
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	20.0 J	14.8 ft-lb	Peak Energy; ASTM D3763
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Dart Drop, Total Energy	31.0 J	22.9 ft-lb	Total Energy; ASTM D3763
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	78.0 °C	172 °F	Unannealed; ISO 75-2/B

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