

Ineos R05C-00 Polypropylene Random Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

Random copolymer R05C-00 is an antistatic, clarified polypropylene random copolymer produced by a unique catalyst technology. It is designed as a high gloss resin and exhibits good stiffness and improved cycle time. Product grade R05C-00 meets FDA requirements of 21CFR 177.1520.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-R05C-00-Polypropylene-Random-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.898 g/cc	0.0324 lb/in ³	ASTM D1505
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 230 °C	5.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength at Break	18.6 MPa	2700 psi	2 in/min; ASTM D638
Tensile Strength, Yield	29.3 MPa	4250 psi	2 in/min; ASTM D638
Elongation at Break	550 %	550 %	2 in/min; ASTM D638
Elongation at Yield	10 %	10 %	2 in/min; ASTM D638
Flexural Modulus	1.03 GPa	150 ksi	1% Secant at 0.05 in/min; ASTM D790A
Izod Impact, Notched	0.427 J/cm @Diameter 3.17 mm	0.800 ft-lb/in @Diameter 0.125 in	bar; ASTM D256
Izod Impact, Unnotched	>= 13.3 J/cm	>= 25.0 ft-lb/in	ASTM D256

Descriptive Properties	Value	Comments
Process	Injection Molding	
Region	Mexico	Bamberger Polymers Distribution
	US & Canada	Bamberger Polymers Distribution

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