

Ineos R01A-00 Polypropylene Random Copolymer

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

Material Notes:

Random copolymer R01A-00 is an antistatic polypropylene produced by a unique catalyst technology. It is designed for blow molding and extrusion applications and exhibits good stiffness and improved cycles. Product grade R01A-00 meets FDA requirements of 21CFR 177.1520.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-R01A-00-Polypropylene-Random-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.898 g/cc	0.0324 lb/in ³	ASTM D1505
Melt Flow	1.8 g/10 min	1.8 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 Â°C	@Load 4.76 lb, Temperature 446 Â°F	

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	28.3 MPa	4100 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
Tensile Modulus	0.669 GPa	97.0 ksi	Secant at 1%; ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	1% Secant at 0.05 in/min; ASTM D790A
Izod Impact, Notched	0.427 J/cm	0.800 ft-lb/in	ASTM D256
Izod Impact, Unnotched	>= 13.3 J/cm	>= 25.0 ft-lb/in	ASTM D256

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

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