

Ineos R01A-01 Polypropylene Copolymer, Antistatic

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

Material Notes:

An antistated polypropylene random copolymer produced by Ineos utilizing unique catalyst technology. It is designed for blowmolding and extrusion applications and exhibits good stiffness and improved cycles. This material meets the Food and Drug Administration requirements of 21CFR 177.1520.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-R01A-01-Polypropylene-Copolymer-Antistatic.php

Physical Properties	Metric	English	Comments
Density	0.898 g/cc	0.0324 lb/in ³	ASTM D1505
Melt Flow	1.7 g/10 min @Load 2.16 kg, Temperature 230 Â°C	1.7 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength, Ultimate	18.6 MPa	2700 psi	2 in/min.; ASTM D638
Tensile Strength, Yield	26.9 MPa	3900 psi	2 in/min (50 mm/min); ASTM D-638
Elongation at Break	550 %	550 %	2 in/min (50 mm/min); ASTM D-638
Elongation at Yield	10 %	10 %	2 in/min.; ASTM D638
Modulus of Elasticity	0.669 GPa	97.0 ksi	ASTM D638
Flexural Modulus	0.896 GPa	130 ksi	Secant @ 1% strain; ASTM D790
Izod Impact, Notched	0.430 J/cm	0.806 ft-lb/in	ASTM D256
Izod Impact, Unnotched	>= 13.35 J/cm	>= 25.01 ft-lb/in	ASTM D256

Descriptive Properties	Value	Comments
Process	Blow Molding/Extrusion	

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