

PolyOne Trilliant™ HC X HC5200-0026 RS Natural Polypropylene, Unspecified (PP, Unspecified)

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Trilliant-HC-X-HC5200-0026-RS-Natural-Polypropylene-Unspecified-PP-Unspecified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0080 - 0.012 cm/cm	0.0080 - 0.012 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	92	92	ASTM D785
Tensile Strength, Yield	33.8 MPa	4900 psi	Type I, 51 mm/min; ASTM D638
Elongation at Break	45 %	45 %	Type I, 51 mm/min; ASTM D638
Flexural Strength	50.5 MPa	7320 psi	ASTM D790
Flexural Modulus	2.17 GPa	315 ksi	ASTM D790
Izod Impact, Notched	0.370 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	0.693 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A
Izod Impact, Unnotched	4.00 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	7.49 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	124 °C @Thickness 3.18 mm	255 °F @Thickness 0.125 in	Unannealed; ASTM D648

Descriptive Properties	Value	Comments
Appearance	Natural Color	
Features	Medium Flow	
	Specialty Grade	
Filler / Reinforcement	Talc Filler	

Descriptive Properties Form	Value Pellets	Comments
Generic Material	PP, Unspecified	
Generic Name	Polypropylene, Unspecified (PP, Unspecified)	
Processing Method	Injection Molding	
Regional Availability	North America	
Uses	Disposable Hospital Goods	
	Hospital Goods	
	Medical Appliances	
	Medical/Healthcare Applications	

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