



INVISTA™ Polypropylene P5M6K-048

INVISTA Polypropylene - Polypropylene Random Copolymer

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General Information

Product Description

Random Copolymer for Injection Molding
 Features: Clarified. Produced without animal derived components or phthalates
 Applications: Consumer and healthcare products

General

Material Status	• Commercial: Active		
Regional Availability	• Asia Pacific	• Europe	• North America
Additive	• Clarifier		
Features	• High Clarity	• No Animal Derived Components	• Random Copolymer
Uses	• Consumer Applications	• Medical/Healthcare Applications	
Agency Ratings	• DMF • FDA 21 CFR 177.1520(c) 3.1a	• USP 88 • USP Class VI	
RoHS Compliance	• Contact Manufacturer		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.900 g/cm ³	0.900 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35 g/10 min	35 g/10 min	ASTM D1238
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength (Yield)	3900 psi	26.9 MPa	ASTM D638
Tensile Elongation (Yield)	11 %	11 %	ASTM D638
Flexural Modulus - Tangent	153000 psi	1050 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.2 ft-lb/in	63 J/m	ASTM D256
Gardner Impact (73°F (23°C))	> 320 in-lb	> 36.2 J	ASTM D5420
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Rockwell Hardness (R-Scale)	90	90	ASTM D785
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed	183 °F	84.0 °C	ASTM D648
Peak Melting Temperature	293 to 306 °F	145 to 152 °C	ASTM D3418
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating	HB	HB	UL 94
Optical	Typical Value (English)	Typical Value (SI)	Test Method
Haze (25.00 mil (635 µm))	6.00 %	6.00 %	ASTM D1003

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Notes

¹ Typical properties: these are not to be construed as specifications.

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