



Polyintec® PPH20A-MI

Polypropylene Homopolymer for Injection Molding

Product Description:

Polyintec® PPH20A-MI is a controlled rheology polypropylene homopolymer designed for injection molding applications. It includes a moderate level of antistatic agent. This material is well-suited for applications where good flow properties and antistatic performance are needed. It meets the requirements of the U.S. Food and Drug Administration as specified in 21CFR 177.1520.

Suggested Applications:

Consumer products, Housewares, Rigid packaging.

Nominal Physical Properties:

Property	Value (English)	Value (SI)	ASTM Method
Resin			
Density	0.910 g/cc	0.910 g/cc	D792
Melt Flow Rate (230°C/2.16 kg)	20 g/10 min	20 g/10 min	D1238
Injection Molded Samples			
Tensile Strength @ Yield	5,280 psi	36.4 MPa	D638
Tensile Strength @ Break	2,920 psi	20.1 MPa	D638
Elongation @ Yield	9.7 %	9.7 %	D638
Elongation @ Break	<100 %	<100 %	D638
Flexural Modulus (1% Secant)	232,100 psi	1,603 MPa	D790A
Notched Izod Impact @ 23 C	0.51 ft-lbf/in	2.7 kJ/m ²	D256
Hardness (Rockwell R)	104	104	D785
Deflection Temp. @ 66 psi	215 °F	102 °C	D648
Gloss at 60° angle	94 %	94%	D2457

Important Note:

The properties listed above are typical values obtained under laboratory conditions and are not intended to be used as specifications. The information are, to the best of knowledge, reliable. Because of the numerous factors affecting the results, No warranty expressed or implied.