



Polyintec® PPH41-MI

Homopolymer for General Purpose Injection Molding

Product Description:

Polyintec® PPH41-MI is a medium viscosity, highly isotactic, polypropylene homopolymer designed for various general purpose injection molding applications. It offers excellent processability with good stiffness, environmental stress crack resistance, heat performance, and minimal odor & taste, due to a unique combination of stabilizers.

Suggested Applications:

closures, small appliances, housewares, toys

Nominal Physical Properties:

Property	Nominal Value (English)	Nominal Value (SI)	Method
Melt Flow Rate, I2 @ 230°C	12.0 g/10 min	12.0 g/10 min	D1238
Density	0.9 g/cm ³	0.9 g/cm ³	D1505
Tensile Strength at Yield (50 mm/min)	4,800 psi	-	D638
Elongation at Yield (50 mm/min)	8 %	8 %	D638
Flexural Modulus (1.3 mm/min), 1% Secant	180,000 psi	-	D790
Rockwell Hardness	105 R Scale	105 R Scale	D785
Notched Izod Impact Strength, 73°F	0.6 ft-lb/in	-	D256
Heat Deflection Temperature @ 66 psi	-	100 °C	D648

Important Note:

The properties listed above are typical values obtained under laboratory conditions and are not intended to be used as specifications. Test conditions: Specimens were injection molded according to the conditions specified in ASTM D4101. Meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.