



## Polyintec® H12-MI

Polypropylene Homopolymer For Injection Molding

### Product Description:

Polyintec® H12-MI is a homopolymer polypropylene designed for general-purpose injection molding applications. It offers excellent color and processing stability, good flow characteristics, and excellent organoleptic properties. The material is suitable for applications requiring compliance with U.S. FDA regulations (21 CFR 177.1520).

### Suggested Applications:

Resin furniture, Closures, Consumer product applications.

### Nominal Physical Properties:

Property	Nominal Value (English)	Nominal Value (SI)	Method
Melt Flow Rate	12 g/10 min	12 g/10 min	D1238
Density at 23°C	0.908 g/cm <sup>3</sup>	908 kg/m <sup>3</sup>	D1505
Shrinkage	0.014 in/in	0.014 mm/mm	D955
Heat Deflection Temperature (at 0.455 MPa)	216°F	102°C	D638
Yield Strength, at 51 mm/min	5300 psi	36.5 MPa	D638
Yield Elongation, at 51 mm/min	9%	9%	D638
Flexural Modulus (1% secant) at 1.27 mm/min	240,000 psi	1654 MPa	D790A
Notched Izod Impact Strength (at 23°C)	0.54 ft-lb/in	28 J/m, 3.1 kJ/m <sup>2</sup>	D256

### Important Note:

The properties listed above are typical values obtained under laboratory conditions and are not intended to be used as specifications. Users should perform their own tests to determine the suitability of this product for their particular purposes. The data provided does not constitute a warranty, express or implied, beyond the material conforming to applicable current standard specifications.