

Polyintec® HO3BX

Polypropylene Homopolymer

Product Description:

Polyintec® HO3BX is a polypropylene homopolymer designed for BOPP (Biaxially Oriented Polypropylene) applications. It offers consistent high-speed processing and good optical properties, making it suitable for various film applications. This resin meets the requirements of the U.S. Food and Drug Administration as specified in 12 CFR 177.1520.

Suggested Applications:

Food packaging films, Overwrap, Metallized films.

Nominal Physical Properties:

Property	Value (English)	Value (SI)	ASTM Method
Resin			
Density	0.9051 g/cc	0.9051 g/cc	D792
Melt Flow Rate	3.0 g/10 min	3.0 g/10 min	D1238
Injection Molded			
Tensile Strength @ Yield	4,903 psi	33.6 MPa	D638
Tensile Strength @ Break	2,847 psi	19.5 MPa	D638
Elongation @ Yield	11.9 %	11.9 %	D638
Elongation @ Break	145 %	145 %	D638
Flexural Modulus	205,500 psi	1,418 MPa	D790A
Notched Izod Impact	0.8 ft-lbf/in	4.1 kJ/m ²	D256
Hardness (Rockwell R)	97	97	D785
Heat Deflection Temp.	199 °F	93 °C	D648
Haze	71.7 %	71.7 %	D1003
Gloss at 60°	93.7	93.7	D2457

Important Note:

The properties listed above are typical values obtained under laboratory conditions and are not intended to be used as specifications. Test conditions: Melt Flow Rate (230°C/2.16 kg), Tensile and Elongation (2 in/min), Flexural Modulus (1% Secant), Notched Izod Impact Strength (@ 23°C), Heat Deflection Temperature (@ 66 psi (455 kPa)), Haze (@ 23°C, 50-mil (1.3mm) plaque).