

Polyintec® AHP6821B

High-Performance Polypropylene for Injection Molding

Product Description:

Polyintec® AHP6821B is a homopolymer polypropylene resin designed for injection molding applications. Molded parts made from this resin typically exhibit high stiffness, good heat resistance, and good flow characteristics.

Suggested Applications:

General purpose, housewares.

Nominal Physical Properties:

Property	Unit	Test Method	Value
Melt Flow Index (190°C/2.16kg)	g/10min	ASTM D1238	15
Density	g/cm ³	ASTM D792 Method A	0.9
Tensile Strength at Yield	MPa	ASTM D638	34
Tensile Strength at Break	MPa	ASTM D638	28
Flexural Modulus	MPa	ASTM D790	1700
Izod Impact, Notched (23°C)	kJ/m ²	ASTM D256	2.0
Hardness	Rockwell	ASTM D785	105
Vicat Softening Temperature (10N)	°C	ASTM D1525	152
Heat Deflection Temperature (0.45 MPa)	°C	ASTM D648	116
Shrinkage MD/TD	%	SUMIKA	1.2 / 1.2
Flammability		UL94	HB

Important Note:

The properties listed above are typical values obtained under laboratory conditions and are not intended to be used as specifications. Test specimen preparation method: Pursuant to ASTM D4101. Processing conditions: Recommended melt temperature: 160 – 240 °C. Storage and handling: Polyintec® AHP6821B should be stored in a dry, cool place with adequate ventilation and protected from UV-light at a temperature below 50 °C. This product is not intended for use in medical and pharmaceutical applications. Food Contact: Polyintec® AHP6821B resins are suitable for food contact applications.