

## Polyintec® APC6721B

### Block Copolymer Polypropylene Resin for Injection Molding

#### Product Description:

Polyintec® APC6721B is a block copolymer polypropylene resin designed primarily for industrial and thin-wall injection molding applications. It offers a high melt flow, and molded parts made from this resin typically exhibit good impact resistance, high stiffness, and good heat stability. This product is formulated with a nucleating agent.

#### Suggested Applications:

Crates, Electrical Appliances, Thin Wall Applications, Industrial Applications.

#### Nominal Physical Properties:

Property	Unit	Test Method	Value
Melt Flow Index (190°C/2.16kg)	g/10min	ASTM D1238	39
Density	g/cm <sup>3</sup>	ASTM D792 (A)	0.9
Tensile Strength at Yield	MPa	ASTM D638	24
Tensile Strength at Break	MPa	ASTM D638	16
Flexural Modulus	MPa	ASTM D790	1280
Izod Impact, Notched (23°C)	kJ/m <sup>2</sup>	ASTM D256	9
Izod Impact, Notched (-20°C)	kJ/m <sup>2</sup>	ASTM D256	5
Hardness	Rockwell	ASTM D785	86
Vicat Softening Temperature (10N)	°C	ASTM D1525	149
Heat Deflection Temp. (0.45 MPa)	°C	ASTM D648	118
Shrinkage (MD/TD)	%	SUMIKA	1.4/1.6
Flammability		UL94	HB

#### Important Note:

The properties listed above are typical values only, not to be construed as specification limits. Test specimen preparation method: Pursuant to ASTM D4101. Recommended melt temperature: 190 – 230 °C. This product is not intended for use in medical and pharmaceutical applications.

Storage and handling: Store in a dry, cool place with adequate ventilation, protected from UV light at temperatures below 50°C.

Food Contact: Resins are suitable.

Disclaimer: Same as pdf.