

## TechResin® 5721N

### *Impact Copolymer for Injection Molding*

TechResin® 5721N is a medium impact copolymer polypropylene characterized by easy mold flow, physical property balance and excellent dimensional stability.

The improved stiffness and impact balance also provides for utility in industrial applications including bins and crates, and small appliances.

TechResin® 5721N meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles and components of articles intended for direct food contact.

This material is free of animal-derived content.

### **Typical Properties of this Commercial Grade**

Property	Test Method	Typical Values	
		English	SI
Melt Flow Rate, I <sub>2</sub> @ 230°C	ASTM D1238	20 g/10 min	20 g/10 min
Density	ASTM D1505	0.9 g/cm <sup>3</sup>	0.9 g/cm <sup>3</sup>
Tensile Strength at Yield (50 mm/min)	ASTM D638	3,800 psi	26 MPa
Elongation at Yield (50 mm/min)	ASTM D638	7 %	7 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	180,000 psi	1241 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	2.5 ft-lb/in	133 J/m

Note: Specimens were injection molded according to the conditions specified in ASTM D4101.  
Data for representative purposes only; not to be construed as product specification.  
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