

## TechResin<sup>®</sup> 5720N

### *Impact Copolymer for Injection Molding*

TechResin<sup>®</sup> 5720N 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<sup>®</sup> 5720N 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.

### Typical Properties Of This Commercial Grade

Property	Test Method	Typical Values	
		English	SI
Melt Flow Rate, I2 @ 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	3600 psi	25 MPa
Elongation at Yield (50 mm/min)	ASTM D638	6 %	6 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	175,000 psi	1207 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	2.7 ft-lb/in	143 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	219 °F	104 °C
Heat Deflection Temperature @ 264 psi	ASTM D648	127 °F	53 °C

*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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