

## TechResin® 5613N

### *Homopolymer for Injection Molded Applications*

TechResin® 5613N is a homopolymer polypropylene with fast cycle time and easy mold release. It has use in injection molded applications including appliances, closures and thin wall programs. It contains a unique combination of stabilizers and additives, including nucleation and antistat which provides excellent processability and good end use performance.

TechResin® 5613N 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	12 g/10 min	12 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	5,800 psi	40 MPa
Elongation at Yield (50 mm/min)	ASTM D638	6.5 %	6.5 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	270,000 psi	1862 MPa
Rockwell Hardness	ASTM D785	110 R Scale	110 R Scale
Notched Izod Impact Strength @ 73°F	ASTM D256A	0.6 ft-lb/in	32 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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