

## TechResin® 1206

### *Homopolymer for General Purpose Injection Molding*

TechResin® 1206 is a medium viscosity, polypropylene homopolymer designed for various general purpose injection molding applications such as closures, small appliances, housewares and toys. It contains a unique combination of stabilizers, which provides excellent processability with good stiffness, environmental stress crack resistance, heat performance and minimal odor & taste.

TechResin® 1206 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

Property	Test Method	Typical Values	
		English	SI
Melt Flow Rate, $\frac{1}{2}$ @ 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	4,800 psi	33 MPa
Elongation at Yield (50 mm/min)	ASTM D638	8 %	8 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	180,000 psi	1241 MPa
Rockwell Hardness	ASTM D785	105 R Scale	105 R Scale
Notched Izod Impact Strength @ 73°F	ASTM D256A	0.6 ft-lb/in	21 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	212 °F	100 °C

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