

TechResin[®] 5721O

Impact Copolymer for Appliance Applications

TechResin[®] 5721O is a medium impact copolymer polypropylene characterized by its easy mold flow, physical property balance and excellent dimensional stability. It is designed for consumer products and appliance applications requiring long-term heat-aging resistance and flexural endurance. It has additional stiffness for good service performance

TechResin[®] 5721O has earned a UL continuous service rating of 110°C with recognition for typical use in laundry equipment.

This material is free of animal-derived content.

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 ³	0.9 g/cm ³
Tensile Strength at Yield (50 mm/min)	ASTM D638	4,200 psi	29 MPa
Elongation at Yield (50 mm/min)	ASTM D638	6 %	6 %
Heat Deflection Temperature @ 66 psi	ASTM D648	223 °F	106 °C
Heat Deflection Temperature @ 264 psi	ASTM D648	138 °F	59 °C
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	194,000 psi	1337 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	1.8 ft-lb/in	96 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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