

TechResin[®] 5730A

Impact Copolymer for Injection Molding Applications

TechResin[®] 5730A is a high impact copolymer polypropylene designed and formulated for injection-molded applications. It contains a unique combination of stabilizers and nucleators which provides an optimum balance of stiffness and cold temperature impact.

It exhibits an excellent range of physical and thermodynamic properties which make it an ideal choice for critical applications in the areas of automotive, appliances and lawn & garden.

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 ₂ @ 230°C	ASTM D1238	30 g/10 min	30 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	2,800 psi	19 MPa
Elongation at Yield (50 mm/min)	ASTM D638	7 %	7 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	125,000 psi	862 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	10 ft-lb/in	534 J/m
Notched Izod Impact Strength @ 0°F	ASTM D256A	1.1 ft-lb/in	59 J/m
Notched Izod Impact Strength @ -22°F	ASTM D256A	0.8 ft-lb/in	43 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	194 °F	90 °C

Notes: Specimens were injection molded according to the conditions specified in ASTM D4101.

Data for representative purposes only; not to be construed as product specification.

Published 11/07, Revised 8-14

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