

TechResin[®] 5770N

Impact Copolymer for Injection Molding

TechResin[®] 5770N is a medium impact copolymer polypropylene characterized by its easy mold flow, physical property balance and excellent dimensional stability. It has found use in applications including automotive child seating and carriers, and light appliances where impact strength is critical through a full range of temperature conditions.

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	7 g/10 min	7 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	3,600 psi	25 MPa
Elongation at Yield (50 mm/min)	ASTM D638	6 %	6 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	180,000 psi	1241 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	3.8 ft-lb/in	203 J/m
Notched Izod Impact Strength @ 0°F	ASTM D256A	1.3 ft-lb/in	69 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	212 °F	100 °C
Heat Deflection Temperature @ 264 psi	ASTM D648	129 °F	54 °C
Rockwell Hardness	ASTM D785	94 R Scale	94 R Scale

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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