

TechResin[®] 5735N

Impact Copolymer - Designed to Meet the Physical Requirements of Automotive Interior Trim

TechResin[®] 5735N is an engineered, medium impact copolymer polypropylene. It was specifically developed to meet the OEM demands for automotive interior trim applications, with proven injection molding economy.

The optimal stiffness and impact balance also provides for utility in industrial applications including bins and crates, and small appliances.

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	35 g/10 min	35 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	4,300 psi	30 MPa
Elongation at Yield (50 mm/min)	ASTM D638	5 %	5 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	210,000 psi	1448 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	1.2 ft-lb/in	64 J/m
Notched Izod Impact Strength @ 0°F	ASTM D256A	0.7 ft-lb/in	37 J/m
Notched Izod Impact Strength @ -22°F	ASTM D256A	0.6 ft-lb/in	32 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	230 °F	110 °C

*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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