



# Formolene® 6535N

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

Formolene® 6535N 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.

Material has been approved under automotive specifications - FCA MS-DB-500 CPN 3560 and CPN 4732, Ford WSS-M4D638-B, GM16208-T1, Renault Nissan AS5, and Toyota TSM 5514G Class 2.

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 <sub>2</sub> @ 230°C	ASTM D1238	35 g/10 min	35 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	3,500 psi	24 MPa
Elongation at Break (50 mm/min)	ASTM D638	100 %	100 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	165,000 psi	1138 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	2.5 ft-lb/in	133 J/m
Notched Izod Impact Strength @ 32°F	ASTM D256A	1.5 ft-lb/in	80 J/m
Notched Izod Impact Strength @ 0°F	ASTM D256A	1.2 ft-lb/in	64 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	207 °F	97 °C
Heat Deflection Temperature @ 264 psi	ASTM D648	126 °F	52 °C
Hardness, Durometer Shore D	ASTM D2340	63 Shore D	

Note: Specimens injection molded according to the conditions specified in ASTM D4101. Data for representative purposes only; not to be construed as product specification. Published 9/04, Revised 3/18

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