



Formosa Plastics®

Formolene® PP

Formolene® 6535N/ISO Format

Impact Copolymer Designed to Meet the Requirement 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.

Material has been approved under FCA MS-DB-500, 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 Grade*

Property	Test Method	Typical Values	
		English	SI
Melt Flow Rate, @ 230°C/2160g	ISO 1133	35 g/10min	35 g/10min
Density	ISO 1183	0.9 g/cm ³	0.9 g/cm ³
Tensile Strength at Yield (50 mm/min)	ISO R527	3,465 psi	23.9 MPa
Elongation at Yield (50 mm/min)	ISO R527	6 %	6 %
Elongation at Break (50 mm/min)	ISO R527	80 %	80 %
Tensile Modulus (50 mm/min)	ISO R527	174,000 psi	1200 MPa
Flexural Modulus, (2 mm/min), Chord	ISO 178	167,000 psi	1152 MPa
Notched Izod Impact Strength @ 73°F	ISO 180	1.9 ft-lbf/in	12.8 KJ/m ²
Notched Izod Impact Strength @ 0°F	ISO 180	0.9 ft-lbf/in	6 KJ/m ²
Notched Izod Impact Strength @ -40°F	ISO 180	0.7 ft-lbf/in	4 KJ/m ²
Heat Deflection Temperature @ 264 psi, (Ae)	ISO 75	126 °F	52 °C
Heat Deflection Temperature @ 66 psi, (Be)	ISO 75	203 °F	95 °C

Typical Value, not to be construed as specifications. Data for representative purposes only; not to be construed as production specification. Published 11/11 revised 6/17

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