



Formosa Plastics®

Formolene® PP

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.

Material has been approved under GM-PP-033 and DCX MSB-500 for interior trim.

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

Typical Properties of this Commercial Grade

Melt Flow Rate, g/10 min @ 230°C	ASTM D1238	35
Density, g/cm ³	ASTM D1501	0.9
Tensile Strength at Yield (50 mm/min), psi	ASTM D638	3,400
Elongation at Break (50 mm/min), %	ASTM D638	100
Flex Mod. (1.3 mm/min), 1% Secant, psi	ASTM D790	155,000
Notched Izod Impact Strength @ 73 °F, ft-lb/in	ASTM D256	2.5
Notched Izod Impact Strength @ -18 °C, ft-lb/in	ASTM D256	1.5
Notched Izod Impact Strength @ -30 °C, ft-lb/in	ASTM D256	1.2
Heat Deflection Temperature @ 66 psi, °C	ASTM D648	97
Heat Deflection Temperature @ 264 psi, °C	ASTM D648	52
Mold Shrinkage after 48 Hr at 80 °C	ISO 2577	1.62 % Flow 1.61 % Cross Flow
Coefficient of Linear Thermal Expansion	ASTM D696	11.7 E-05 /°C
Hardness, Durometer D	ASTM D2340	63

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

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*FM 46020 applies to specific copolymers

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FS 70459
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ISO 14001:2004
EMS 35710