

## Formosa Plastics Formolene® 6535N Impact Copolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer , Polypropylene, Impact Modified; Molded/Extruded

### Material Notes:

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. Specimens were injection molded according to the conditions specified in ASTM D4101 Information provided by Formosa Plastics Corporation, USA

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Formosa-Plastics-Formolene-6535N-Impact-Copolymer-Polypropylene.php](http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-6535N-Impact-Copolymer-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	35 g/10 min @Temperature 230 °C	35 g/10 min @Temperature 446 °F	I<sub>2</sub>; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	ASTM D2340
Tensile Strength, Yield	23.4 MPa	3400 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	100 %	100 %	2" (50mm) per min; ASTM D638
Flexural Modulus	1.07 GPa	155 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.641 J/cm @Temperature -18.0 °C	1.20 ft-lb/in @Temperature -0.400 °F	ASTM D256A
	0.801 J/cm @Temperature 0.000 °C	1.50 ft-lb/in @Temperature 32.0 °F	ASTM D256A
	1.33 J/cm @Temperature 25.0 °C	2.50 ft-lb/in @Temperature 77.0 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	97.0 °C	207 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	52.0 °C	126 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China