



**Formosa Plastics®**

## Formolene® 6502O

### ***Impact Copolymer for Extrusion Applications***

Formolene® 6502O is a high impact copolymer polypropylene with an excellent balance of toughness and stiffness. It is suitable for blow-molded bottles and components, heavy gauge sheet for thermoformed containers and components and profile extrusions including corrugated board. It is designed for consumer products requiring long-term heat-aging resistance and flexural endurance.

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	1.5 g/10min	1.5 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	3,800 psi	26 MPa
Elongation at Yield (50 mm/min)	ASTM D638	8 %	8 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	175,000 psi	1,207 MPa
Flexural Modulus (13 mm/min), tangent	ASTM D790	195,000 psi	1,345 MPa
Rockwell Hardness	ASTM D785	95 R Scale	95 R Scale
Notched Izod Impact Strength @ 73°F	ASTM D256A	No break	No break
Notched Izod Impact Strength @ 32°F	ASTM D256A	1.7 ft-lb/in	91 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	212 °F	100 °C

*Notes: Specimens were injection molded according to the conditions specified in ASTM D4101. Data for representative purposes only not to be construed as product specification. Published 11/24*

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