

Thermylene® P7-60FG-0790

Asahi Kasei Plastics North America Inc. - *Polypropylene*

General Information

Product Description

This high performance, structural compound has been optimized for high strength/stiffness applications. It is suitable to enable light-weighting in structural applications by replacement of high density engineered polymer compounds.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 60% Filler by Weight
Features	• High Stiffness • High Strength
Automotive Specifications	• GM GMW15702-150048

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	17500	psi	ISO 527-2
Flexural Modulus	2.06E+6	psi	ISO 178
Flexural Stress	27600	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.7	ft·lb/in ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	309	°F	ISO 75-2/A

Notes

¹ Typical properties: these are not to be construed as specifications.

