

Thermylene® P7-45FG-0798

 Asahi Kasei Plastics North America Inc. - *Polypropylene*
General Information
Product Description

This high performance, weathering performance compound has been optimized for high strength/stiffness and has good creep resistance. It is suitable to enable light-weighting in structural applications by replacement of high density engineered polymer compounds. It is also optimized for easy processability in thin-wall or large applications.

General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> Africa & Middle East Asia Pacific Europe Latin America North America
Filler / Reinforcement	<ul style="list-style-type: none"> Glass Fiber, 45% Filler by Weight
Features	<ul style="list-style-type: none"> Creep Resistant Good Processability High Stiffness High Strength

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density	1.30	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Mechanical			
Tensile Stress	16400	psi	ISO 527-2
Flexural Modulus	1.57E+6	psi	ISO 178
Flexural Stress	26100	psi	ISO 178
Impact			
Charpy Notched Impact Strength (73°F)	4.8	ft·lb/in ²	ISO 179
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	307	°F	ISO 75-2/A

Notes

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

