

Thermylene® P8-40FG-0810

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

This is a 40% fiber glass reinforced polypropylene performance compound designed for replacement of engineered compounds in structural applications and it is also UV stabilized for weathering exposure.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight
Additive	• UV Stabilizer
Features	• Good Weather Resistance • UV Stabilized
Uses	• Structural Parts

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	13600	psi	ISO 527-2
Flexural Modulus	1.23E+6	psi	ISO 178
Flexural Stress	21800	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.3	ft·lb/in ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	297	°F	ISO 75-2/A

