



Thermylene® P6-20FG-0153

Asahi Kasei Plastics North America Inc. - Polypropylene

Tuesday, November 5, 2019

General Information

Product Description

PP-GF20
20% Glass Fiber Reinforcement

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Automotive Specifications	• GM GMP.PP.099 • GM GMP.PP.099 Color: Black	• GM GMP.PP.099 Color: BK711 Black • GM GMP.PP.099 Color: NT101 Natural	• GM GMW16607P-PP-GF20

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	10000	psi	ISO 527-2
Flexural Modulus	580000	psi	ISO 178
Flexural Stress	15200	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.4	ft-lb/in ²	ISO 179
Notched Izod Impact Strength	3.2	ft-lb/in ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	286	°F	ISO 75-2/A

Notes

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