Thermylene® P6-20FG-0153

Asahi Kasei Plastics North America Inc. - *Polypropylene*

General Information

Product Description

This is a glass reinforced polypropylene compound that has been designed with high melt flow for thin-wall molding and heat stabilized for underhood applications.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Heat Stabilized	• High Flow	
Uses	• Automotive Under the Hood	• Thin-walled Parts	
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

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm³	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	624000	psi	ISO 178
Flexural Stress	14500	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	3.3	ft·lb/in²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (264 psi, Unannealed)	284	°F	ISO 75-2/A

Notes

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