



Thermylene® P1-35FM-Y942

Asahi Kasei Plastics North America Inc. - Polypropylene

Wednesday, July 29, 2015

General Information

Product Description

PP-GF+MD
35% Glass Fiber / Mineral Co-Reinforcement

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass\Mineral, 35% Filler by Weight		
Automotive Specifications	• CHRYSLER MS-DB-500 CPN 4419	• GM GMP.PP.032 Color: Black	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.20	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	10400	psi	ISO 527-2
Flexural Modulus	914000	psi	ISO 178
Flexural Stress	16200	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.6	ft-lb/in ²	ISO 179
Notched Izod Impact Strength	3.8	ft-lb/in ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	288	°F	ISO 75-2/B
Heat Deflection Temperature (264 psi, Unannealed)	284	°F	ISO 75-2/A

Notes

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