

Thermylene® P-20TC-5100

Asahi Kasei Plastics North America Inc. - *Polypropylene*

General Information

Product Description

This is a general purpose mineral filled polypropylene compound that has been heat stabilized for applications requiring long term heat exposure and good dimensional stability.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Talc, 20% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• General Purpose	• Good Dimensional Stability	• Heat Stabilized
Uses	• General Purpose		
Automotive Specifications	• FORD ESH-M4D293-B • FORD WSK-M4D729-A1 • GM GMP.PP.008 Color: BK711 Black	• GM GMP.PP.131 Color: Black • GM GMP.PP.131 Color: Natural • GM GMW16528P-PP-TD20	• STELLANTIS MS-DB-500 CPN 2347 • STELLANTIS MS-DB-500 CPN 3349

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	5370	psi	ISO 527-2
Flexural Modulus	421000	psi	ISO 178
Flexural Stress	7250	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.4	ft·lb/in ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	156	°F	ISO 75-2/A

Notes

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

