



# Maxxam™ F5134T2-4

## Polypropylene Homopolymer

### Key Characteristics

Product Description			
Polypropylene homopolymer talc filled, PP-H TD20			
General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Talc, 20% Filler by Weight		
Features	• High Heat Resistance	• High Stiffness	
Uses	• Automotive Applications • Construction Applications	• Consumer Applications • General Purpose	• Industrial Applications
Automotive Specifications	• DELPHI SD-2-189	• GM GMW16528P-PP-TD20	
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.05	1.05	ISO 1183
Density	1.05 g/cm <sup>3</sup>	1.05 g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0 g/10 min	8.0 g/10 min	ISO 1133
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength (Yield)	4790 psi	33.0 MPa	ASTM D638
Tensile Stress (Yield)	4790 psi	33.0 MPa	ISO 527-2
Flexural Modulus	363000 psi	2500 MPa	ASTM D790
Flexural Modulus	348000 psi	2400 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact	0.66 ft·lb/in	35 J/m	ASTM D256
Notched Izod Impact Strength (73°F (23°C))	1.7 ft·lb/in <sup>2</sup>	3.5 kJ/m <sup>2</sup>	ISO 180
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed	250 °F	121 °C	ASTM D648
Heat Deflection Temperature 66 psi (0.45 MPa), Unannealed	246 °F	119 °C	ISO 75-2/B
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	154 °F	68.0 °C	ASTM D648
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	147 °F	64.0 °C	ISO 75-2/A
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Burning Rate	< 3.9 in/min	< 100 mm/min	ISO 3795

**Processing Information**

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	1.0 hr	1.0 hr
Processing (Melt) Temp	365 to 428 °F	185 to 220 °C
Mold Temperature	77 to 131 °F	25 to 55 °C

**Notes**

<sup>1</sup> Typical values are not to be construed as specifications.



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