



Maxxam™ PP5120R B122

Polypropylene Homopolymer

Key Characteristics

Product Description	
20% talc filled, high heat stabilized PP resin for injection molding.	
General	
Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Asia Pacific • Europe • North America
Filler / Reinforcement	• Talc, 20% Filler by Weight
Additive	• Heat Stabilizer
Features	• Good Processability • Good Stiffness • Good Strength • Medium Viscosity
Uses	• Automotive Applications • Consumer Applications • General Purpose • Industrial Applications
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.06	1.06	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13 g/10 min	13 g/10 min	ISO 1133
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Break, 73°F (23°C))	3920 psi	27.0 MPa	ISO 527
Flexural Modulus ³ (73°F (23°C))	334000 psi	2300 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact Strength ⁴ (73°F (23°C))	0.95 ft·lb/in ²	2.0 kJ/m ²	ISO 180/A
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature ⁵ 264 psi (1.8 MPa), Unannealed, 0.157 in (4.00 mm)	145 °F	63.0 °C	ISO 75-2/A
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.06 in (1.6 mm))	HB	HB	UL 94

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80.0 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Processing (Melt) Temp	356 to 428 °F	180 to 220 °C
Mold Temperature	59.0 to 140 °F	15.0 to 60.0 °C

Injection Notes
Injection Pressure: MED-HIGH
Hold Pressure: MED-HIGH
Screw Speed: MODERATE
Back Pressure: LOW

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Notes¹ Typical values are not to be construed as specifications.² 0.20 in/min (5.0 mm/min)³ 0.079 in/min (2.0 mm/min)⁴ Notch A⁵ Edgewise**CONTACT INFORMATION****Americas**United States - Avon Lake
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