



Maxxam™ X MX5200-8028 RS BK001

Polypropylene

Key Characteristics

Product Description	
Glass fiber reinforced Polypropylene compound with good stiffness, UV resistance and high impact strength	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Features	• Filled • High Impact Resistance • UV Resistant
Appearance	• Black
Processing Method	• Blow Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	0.997	0.997	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress ²			ISO 527-2
Yield, 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	6530 psi	45.0 MPa	
Tensile Strain			ISO 527-2/50
Break, 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	12 %	12 %	
Flexural Modulus ³			ISO 178
73°F (23°C), 0.157 in (4.00 mm), Injection Molded	406000 psi	2800 MPa	
Flexural Stress ³			ISO 178
73°F (23°C), 0.157 in (4.00 mm), Injection Molded	9430 psi	65.0 MPa	
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact Strength			ISO 180/A
73°F (23°C), Injection Molded	10 ft·lb/in ²	21 kJ/m ²	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 185 °F	80.0 to 85.0 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Processing (Melt) Temp	392 to 464 °F	200 to 240 °C
Mold Temperature	86.0 to 140 °F	30.0 to 60.0 °C

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

Notes

¹ Typical values are not to be construed as specifications.

² 2.0 in/min (50 mm/min)

³ 0.079 in/min (2.0 mm/min)

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