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
Density / 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/in²	21 kJ/m²	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 185 °F	80 to 85 °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 to 140 °F	30 to 60 °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)