

MAJORIS BG208 - 7731

Polypropylene

AD majoris

Message:

BG208 - 7731 is a 20% chemically coupled glass fibre reinforced polypropylene compound intended for injection moulding.

The product is available in grey, but other colours can be provided on request.

BG208 - 7731 has been developed especially for demanding applications in various engineering sectors.

BG208 - 7731 has high rigidity and impact strength, good dimensional stability, good dimensional stability and good creep resistancy also at high temperatures. The product is UV stabilised.

APPLICATIONS

Product requiring very high overall mechanical performance such as:

Sockets and junction boxes for electrical industry

Electrical tool and appliance components

Domestic appliance components

Miscellaneous technical items

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Additive	UV stabilizer		
Features	Good dimensional stability		
	Rigidity, high		
	Chemical coupling		
	Impact resistance, high		
	Good UV resistance		
	Recyclable materials		
	Good creep resistance		
Uses	Electrical/Electronic Applications		
	Electrical components		
	Power/other tools		
	Home appliance components		
Appearance	Grey		
	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.2	g/10 min	ISO 1133
Molding Shrinkage	0.50 - 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	70.0	MPa	ISO 527-2/50

Tensile Strain (Break)	4.0	%	ISO 527-2/50
Flexural Modulus	4600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	36	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	145	°C	ISO 75-2/B
1.8 MPa, not annealed	135	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 - 260	°C	
Mold Temperature	30.0 - 60.0	°C	
Injection Rate	Slow-Moderate		
Injection instructions			

Holding pressure: 50 to 70% of the injection pressure

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