MAJORIS BG364

Polypropylene

AD majoris

Message:

BG364 is a 30% chemically coupled glass fibre reinforced polypropylene compound intended for injection moulding and extrusion profiles.
The product is available in natural, but other colours can be provided on request.
BG364 has been developed especially for demanding applications in various engineering sectors.
BG364 has high rigidity and good impact strength, good dimensional stability and good creep resistancy also at high temperatures.
APPLICATIONS
Product requiring very high overall mechanical performance such as:
Heater housing
Automotive under the bonnet components
Miscellaneous automotive technical items
Profiles
Can suitably be made from BG364.

General Information	
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight
Features	Good dimensional stability Rigidity, high Chemical coupling Impact resistance, good Recyclable materials Good creep resistance
Uses	Automotive Electronics Shell Profile
Appearance	Available colors Natural color
Forms	Particle
Processing Method	Profile extrusion molding Injection molding

Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.5	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	0.60 - 0.90	%	Internal method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	65.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.3	%	ISO 527-2/50

Flexural Modulus	4500	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	13	kJ/m²	ISO 179/1eA
23°C	20	kJ/m²	ISO 179/1eA
Notched Izod Impact			ISO 180/1A
-20°C	16	kJ/m²	ISO 180/1A
23°C	21	kJ/m²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	148	°C	ISO 75-2/B
1.8 MPa, not annealed	132	°C	ISO 75-2/A
Vicat Softening Temperature			
--	153	°C	ISO 306/A
--	122	°C	ISO 306/B
Flammability	**Nominal Value**		**Test Method**
Flame Rating	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	230 - 260	°C	
Mold Temperature	30.0 - 70.0	°C	
Injection Rate	Slow-Moderate		
Injection instructions			

Holding pressure: 50 to 70% of the injection pressure

Recommended distributors for this material

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WECHAT