MAJORIS BGR304

Polypropylene

AD majoris

Message:

BGR304 is a 30% chemically coupled glass fibre reinforced polypropylene compound intended for injection moulding.
The product is available in natural, but other colours can be provided on request.
BGR304 has been developed especially for demanding applications in various engineering sectors.
BGR304 has high rigidity and impact strength, dimensional stability and good creep resistancy also at high temperatures.
APPLICATIONS
Product requiring very high overall mechanical performance such as:
Miscellaneous technical items
Can suitably be made from BGR304.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Good dimensional stability Rigidity, high Chemical coupling Impact resistance, high Recyclable materials Good creep resistance		
Appearance	Available colors Natural color		
Forms	Particle		
Processing Method	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)	1.9 - 2.5	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	80.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/50
Flexural Modulus	5200	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	10	kJ/m²	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	155	°C	ISO 75-2/B
1.8 MPa, not annealed	140	°C	ISO 75-2/A
Vicat Softening Temperature			
--	160	°C	ISO 306/A

--	131	°C	ISO 306/B
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	230 - 270	°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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