MAJORIS G300BS

Biodegradable Polymers

AD majoris

Message:

MAJORIS G300BS is a special long glass fibre reinforced bio polymer grade, for injection moulding and extrusion. The long glass fibres, chemically coupled to the bio polymer matrix, are providing with outstanding mechanical properties.
APPLICATIONS
MAJORIS G300BS is intended for injection moulding of highly demanding technical applications.
The excellent properties of MAJORIS G300BS make it suitable for:
Electrical components, automotive parts, interior, under the bonnet, structural furniture parts, load bearing, demanding components for various engineering sectors.
MAJORIS G300BS can, in many of these applications, substitute other engineering plastics or metal alloys.

General Information	
Filler / Reinforcement	Long glass fiber
Additive	heat stabilizer
Features	Chemical coupling Updatable resources Recyclable materials Heat resistance, high Thermal Stability
Uses	Electrical components Furniture Metal substitution Parts under the hood of a car Car interior parts
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm³	ISO 1183
Molding Shrinkage	0.40	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	5800	MPa	ISO 527-2/1
Tensile Stress (Break)	101	MPa	ISO 527-2/50
Tensile Strain (Break)	3.4	%	ISO 527-2/50
Flexural Modulus	5100	MPa	ISO 178
Flexural Stress [1]	150	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**

Charpy Notched Impact Strength (23°C)	23	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	58	kJ/m²	ISO 179/1eU
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	150	°C	ISO 75-2/A
Vicat Softening Temperature	141	°C	ISO 306/B
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Rear Temperature	180 - 200	°C	
Processing (Melt) Temp	180 - 220	°C	
Mold Temperature	80.0 - 100	°C	
Injection Pressure	30.0 - 60.0	MPa	
Injection Rate	Slow		
Screw Speed	30 - 150	rpm	
Injection instructions			
Holding pressure: 50 to 70% of the injection pressureBack pressure: as low as possible, 0 to 10%Holding time: as long as practical			
NOTE			
1.	at Break		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT