

MAJORIS GFRH300 BLACK 8229

Polypropylene

AD majoris

Message:

MAJORIS GFRH300 BLACK 8229 is a special long glass fibre reinforced polypropylene compound halogen flame retardant UL 94 VO classification, for injection moulding and extrusion. The long glass fibres, chemically coupled to the polypropylene matrix, are providing with outstanding mechanical properties.

MAJORIS GFRH300 BLACK 8229 is available both in black (MAJORIS GFRH300 BLACK 8229) and natural (MAJORIS GFRH300). Other colours can be provided on request.

APPLICATIONS:

MAJORIS GFRH300 BLACK 8229 is intended for injection moulding of highly demanding technical applications.

The excellent properties of MAJORIS GFRH300 BLACK 8229 make it suitable for:

Electrical components, structural furniture parts, load bearing, demanding components for various engineering sectors.

MAJORIS GFRH300 BLACK 8229 can, in many of these applications, substitute other engineering plastics or metal alloys.

General Information	
Filler / Reinforcement	Long glass fiber, 30% filler by weight
Additive	Flame retardancy
Features	Chemical coupling
	Halogenated
	Flame retardancy
Uses	Electrical/Electronic Applications
	Furniture
	Metal substitution
Appearance	Black
	Available colors
	Natural color
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm ³	ISO 1183
Molding Shrinkage	0.50	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9000	MPa	ISO 527-2/1
Tensile Stress (Break)	90.0	MPa	ISO 527-2/50
Tensile Strain (Break)	3.0	%	ISO 527-2/50
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)	50	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	150	°C	ISO 75-2/A
Ball Pressure Test (130°C)	Pass		IEC 60335-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm	V-0		UL 94
1.60 mm	V-0		UL 94
Glow Wire Flammability Index (1.00 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.00 mm)	750	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Rear Temperature	230 - 250	°C	
Processing (Melt) Temp	250 - 270	°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 pressureHolding time: as long as practicalBack pressure: as low as possible, 0 to 10%

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

