MAJORIS G410 - 8229

Polypropylene

AD majoris

Message:

MAJORIS G410 - 8229 is a special long glass fibre reinforced polypropylene grade, for injection moulding and extrusion. The long glass fibres, chemically coupled to the polypropylene matrix, are providing with outstanding mechanical properties.
MAJORIS G410 - 8229 is available both in black (MAJORIS G410 - 8229) and natural (MAJORIS G410). Other colours can be provided on request.
APPLICATIONS
MAJORIS G410 - 8229 is intended for injection moulding of highly demanding technical applications.
The excellent properties of MAJORIS G410 - 8229 make it suitable for:
Electrical components, automotive parts, interior, exterior and under the bonnet, structural furniture parts, load bearing, demanding components for various engineering sectors.
MAJORIS G410 - 8229 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 Recyclable materials Heat resistance, high Thermal Stability
Uses	Electrical components Furniture Metal substitution Parts under the hood of a car Car interior parts Automotive exterior parts
Appearance	Black Available colors Natural color
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm³	ISO 1183
Molding Shrinkage	0.30	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	8650	MPa	ISO 527-2/1
Tensile Stress (Break)	129	MPa	ISO 527-2/50

Tensile Strain (Break)	2.2	%	ISO 527-2/50
Flexural Modulus	7700	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	28	kJ/m^2	ISO 179/1eA
23°C	24	kJ/m^2	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	55	kJ/m^2	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	162	°C	ISO 75-2/B
Vicat Softening Temperature	145	°C	ISO 306/B
CLTE - Flow			ASTM D696
-30°C	4.4E-5	cm/cm/°C	ASTM D696
23°C	3.1E-5	cm/cm/°C	ASTM D696
Injection	**Nominal Value**	**Unit**	
Rear Temperature	230 - 250	°C	
Processing (Melt) Temp	250 - 280	°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

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