MAJORIS GE264 - 8229

Polypropylene

AD majoris

Message:

MAJORIS GE264 - 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 GE264 - 8229 is available in natural (MAJORIS GE264) and other colours can be provided on request.
APPLICATIONS
MAJORIS GE264 - 8229 is intended for injection moulding of highly demanding technical applications.
The excellent properties of MAJORIS GE264 - 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 GE264 - 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	Available colors Natural color
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm³	ISO 1183
Molding Shrinkage	0.40 - 0.60	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	4500	MPa	ISO 527-2/1
Tensile Stress (Break)	80.0	MPa	ISO 527-2/50
Tensile Strain (Break)	3.5	%	ISO 527-2/50

Flexural Modulus [1]	4300	MPa	ISO 178
Flexural Stress	127	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	19	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	50	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	160	°C	ISO 75-2/B
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Rear Temperature	220 - 240	°C	
Processing (Melt) Temp	240 - 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 pressureBack pressure: as low as possible, 0 to 10%Holding time: as long as practical			
NOTE			
1.	2.0 mm/min		

Recommended distributors for this material

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