MAJORIS DG507X - 8229

Polypropylene

AD majoris

Message:

MAJORIS DG507X - 8229 is a high performance reinforced polypropylene compound intended for injection moulding.
The product is available in natural, but other colours can be provided on request.
MAJORIS DG507X - 8229 has been developed especially for demanding applications in various engineering sectors.
MAJORIS DG507X - 8229 has high rigidity and impact strength, good dimensional stability, very good stiffness and good creep resistancy also at high temperatures and UV stabilised.
APPLICATIONS
Product requiring very high overall mechanical performance such as:
Electrical tool and appliance components
Under the bonnet parts
Miscellaneous technical items

General Information			
Additive	UV stabilizer		
Features	Good dimensional stability Rigidity, high Rigidity, high Impact resistance, high Good UV resistance Recyclable materials Good creep resistance		
Uses	Electrical/Electronic Applications Power/other tools Home appliance components Parts under the hood of a car		
Appearance	Available colors Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.33	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.8	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction: 2.00mm	0.80	%	Internal method
Flow direction: 2.00mm	0.30	%	Internal method
Mechanical	**Nominal Value**	**Unit**	**Test Method**

Tensile Modulus	11700	MPa	ISO 527-2/1
Tensile Stress (Yield)	118	MPa	ISO 527-2/50
Tensile Strain (Break)	2.7	%	ISO 527-2/50
Flexural Modulus [1]	11600	MPa	ISO 178
Flexural Stress	203	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m^2	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	53	kJ/m^2	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	169	°C	ISO 75-2/B
1.8 MPa, not annealed	162	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	230 - 270	°C	
Mold Temperature	30.0 - 60.0	°C	
Injection Rate	Moderate		
Holding Pressure	30.0 - 60.0	MPa	
Injection instructions			
Screw speed: Low to mediumBack pressure: Low to medium			
NOTE			
1.	2.0 mm/min		

Recommended distributors for this material

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