

MAJORIS CG308X - 8229

Polypropylene

AD majoris

Message:

MAJORIS CG308X - 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 CG308X - 8229 has been developed especially for demanding applications in various engineering sectors.

MAJORIS CG308X - 8229 has high rigidity and impact strength, good dimensional stability, very good stiffness and good creep resistancy also at high temperatures.

APPLICATIONS

Product requiring very high overall mechanical performance such as:

Electrical tool and appliance components

Under the bonnet parts

Miscellaneous technical items

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	Rigid, good		
	Impact resistance, high		
	Recyclable materials		
Uses	Good creep resistance		
	Power/other tools		
	Home appliance components		
Appearance	Parts under the hood of a car		
	Available colors		
Forms	Natural color		
	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ISO 1133
Molding Shrinkage	0.20 - 1.0	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	105	MPa	ISO 527-2/50
Tensile Strain (Break)	2.7	%	ISO 527-2/50
Flexural Modulus	6700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C)	9.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	159	°C	ISO 75-2/B
1.8 MPa, not annealed	151	°C	ISO 75-2/A
Vicat Softening Temperature	137	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	750	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Processing (Melt) Temp	230 - 270	°C	
Mold Temperature	30.0 - 60.0	°C	
Injection Rate	Moderate		
Injection instructions			
Holding pressure: 50 to 70% of the injection pressure			

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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

