

MAJORIS DG324X - 8229

Polypropylene

AD majoris

Message:

MAJORIS DG324X - 8229 is a high performance reinforced polypropylene compound intended for injection moulding.

The product is available in black, but other colours can be provided on request.

MAJORIS DG324X - 8229 has been developed especially for demanding applications in automotive industry and various engineering sectors.

MAJORIS DG324X - 8229 has high rigidity, good balance in stiffness/impact strength and good creep resistancy also at high temperatures.

APPLICATIONS

Product requiring high service temperature and extremely high mechanical strength such as:

Sockets and junction boxes for electrical industry

Electrical tool and appliance components

Miscellaneous technically items

Air filters

Under the bonnet parts

Can suitably be made from DG 324X BLACK 8229.

General Information			
Features	Rigidity, high		
	High strength		
	Recyclable materials		
	Good creep resistance		
Uses	Electrical/Electronic Applications		
	Power/other tools		
	Filter		
	Home appliance components		
	Parts under the hood of a car		
	Application in Automobile Field		
Appearance	Black		
	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Molding Shrinkage	0.70 - 0.90	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7000	MPa	ISO 527-2/1
Tensile Stress (Yield)	102	MPa	ISO 527-2/50
Tensile Strain (Yield)	2.8	%	ISO 527-2/50

Flexural Modulus ¹	5850	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	6.0	kJ/m ²	ISO 179/1eA
23°C	7.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	36	kJ/m ²	ISO 179/1eU
23°C	40	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	162	°C	ISO 75-2/B
1.8 MPa, not annealed	153	°C	ISO 75-2/A
Vicat Softening Temperature	164	°C	ISO 306/A
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 - 260	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			
Holding pressure: 50 to 70% of the injection pressure			
NOTE			
1.	2.0 mm/min		

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

