MAJORIS GT420 - 8229

Polypropylene

AD majoris

Message:

GT420 - 8229 is a 40% mineral filled polypropylene compound intended for injection moulding.
The product is available in both black (GT420 - 8229) and natural (GT420) but other colours can be provided on request.
GT420 - 8229 has a high flow rate, very good process ability.
APPLICATIONS
GT420 - 8229 has been developed especially for demanding applications in automotive industry and electrical parts.
Fuse and connector boxes
Miscellaneous electrical components
Technical articles
Products requiring rigidity, high dimensional stability, low shrinkage can suitably be made from GT420 - 8229.

General Information			
Filler / Reinforcement	Mineral filler, 40% filler by weight		
Features	Good dimensional stability Rigidity, high Recyclable materials Workability, good High liquidity Low shrinkage		
Uses	Electrical components Application in Automobile Field		
Appearance	Black Available colors Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.22	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ISO 1133
Molding Shrinkage	0.60 - 0.90	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	33.0	MPa	ISO 527-2/5
Tensile Strain (Break)	5.0	%	ISO 527-2/5
Flexural Modulus [1]	3800	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA

-20°C	1.1	kJ/m²	ISO 179/1eA
23°C	2.5	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	130	°C	ISO 75-2/B
1.8 MPa, not annealed	80.0	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	210 - 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.	1.0 mm/min		

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