

MAJORIS FT342 - 8139

Polypropylene

AD majoris

Message:

FT342 - 8139 is a grey colour, 30% mineral filled polypropylene compound intended for injection moulding.
The product is available in natural FT342 but other colours can be provided on request.
FT342 - 8139 is intended for components which require good long term heat resistance, it has a high heat distortion temperature, good rigidity, low shrinkage and good dimensional stability.

APPLICATIONS

- Dashboard items
- Fuse and connector boxes
- Miscellaneous electrical components
- Technical components

General Information			
Filler / Reinforcement	Mineral filler, 30% filler by weight		
Features	Good dimensional stability		
	Recyclable materials		
	Low shrinkage		
	Medium hardness		
Uses	Electrical components		
	Application in Automobile Field		
Appearance	Grey		
	Available colors		
	Natural color		
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)	15	g/10 min	ISO 1133
Molding Shrinkage	0.70 - 0.90	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	30.0	MPa	ISO 527-2/50
Tensile Strain (Break)	10	%	ISO 527-2/50
Flexural Modulus ¹	2900	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	25	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, not annealed	127	°C	ISO 75-2/B
1.8 MPa, not annealed	73.0	°C	ISO 75-2/A
Vicat Softening Temperature	98.0	°C	ISO 306/B
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	220 - 270	°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		

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