MAJORIS FT108 - 3182

Polypropylene

AD majoris

Message:

FT108 - 3182 is a mineral filled polypropylene compound intended for injection moulding.
The product is available in black (FT108 - 8229) and natural (FT108) but other colours can be provided on request.
FT108 - 3182 has a easy flow very good processability, excellent surface quality.
APPLICATIONS
FT108 - 3182 is intended for components, which require good surface quality, good impact.
Electrical appliances
Household articles
Technical components

General Information	
Filler / Reinforcement	Mineral filler, 10% filler by weight
Features	Excellent appearance Impact resistance, good Recyclable materials Workability, good Good liquidity
Uses	Electrical/Electronic Applications Electrical appliances Household goods
Appearance	Black Available colors Natural color
Forms	Particle
Processing Method	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ISO 1133
Molding Shrinkage	1.2 - 1.6	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2/1
Tensile Stress (Yield)	35.0	MPa	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Yield	6.0	%	ISO 527-2/5
Fracture	26	%	ISO 527-2/5
Flexural Modulus [1]	2150	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m^2	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	60	kJ/m^2	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	119	°C	ISO 75-2/B
1.8 MPa, not annealed	64.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	153	°C	ISO 306/A
--	97.0	°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 - 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		

Recommended distributors for this material

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