MAJORIS FC187C - 9444

Polypropylene

AD majoris

Message:

FC187C - 9444 is a mineral filled high performance compound intended for injection moulding.
FC187C - 9444 is intended for component, which require very good surface quality, rigidity, low shrinkage and high dimensional stability. The product is UV stabilised.
APPLICATIONS
Electrical appliances
Household articles
Technical components

General Information			
Filler / Reinforcement	Mineral filler		
Additive	UV stabilizer		
Features	Good dimensional stability Rigidity, high Good UV resistance Recyclable materials Low shrinkage Good appearance Excellent appearance		
Uses	Electrical/Electronic Applications Electrical appliances Household goods		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.03	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	1.5	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2250	MPa	ISO 527-2/1
Tensile Stress (Break)	30.0	MPa	ISO 527-2/50
Flexural Modulus [1]	2000	MPa	ISO 178
Flexural Stress	55.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	4.2	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	54	kJ/m²	ISO 179/1eU

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	111	°C	ISO 75-2/B
1.8 MPa, not annealed	71.0	°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	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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WECHAT