

MAJORIS FC189C - 9444F

Polypropylene

AD majoris

Message:

FC189C - 9444F is a mineral filled high performance compound intended for injection moulding.

FC189C - 9444F is intended for component, which require very good surface quality, rigidity, low shrinkage and high dimensional stability. The product is UV stabilised, with anti fungi additive and fresh-clean fragrance.

APPLICATIONS

Electrical appliances

Household articles

Technical components

General Information			
Filler / Reinforcement	Mineral filler		
Additive	Antibacterial (fungicide)		
	UV stabilizer		
Features	Good dimensional stability		
	Rigidity, high		
	Antibacterial property		
	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/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	1.4	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2180	MPa	ISO 527-2/1
Tensile Stress (Break)	30.0	MPa	ISO 527-2/50
Tensile Strain (Break)	18	%	ISO 527-2
Flexural Modulus ¹	1930	MPa	ISO 178

Flexural Stress	53.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.3	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	44	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	110	°C	ISO 75-2/B
1.8 MPa, not annealed	70.0	°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		

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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

