

MAJORIS FT167 - 7796

Polypropylene

AD majoris

Message:

FT167 - 7796 is a 10% mineral filled polypropylene compound intended for injection moulding.

FT167 - 7796 has been developed especially for the automotive interior parts, requiring good impact strength and high stiffness.

The product is available in black (FT167 - 8229) and natural (FT167) but other colours can be provided on request.

FT167 - 7796 has an excellent balance between the impact strength and stiffness as well as good surface quality.

APPLICATIONS

Pillar trims

Door panels and pockets

Consoles

Handles

General Information			
Filler / Reinforcement	Mineral filler, 10% filler by weight		
Additive	UV stabilizer		
Features	Rigidity, high		
	Impact resistance, good		
	Good UV resistance		
	Recyclable materials		
	Excellent appearance		
Uses	Handle		
	Car interior parts		
	Car interior equipment		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage	1.0 - 1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2/1
Tensile Stress (Yield)	27.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	8.0	%	ISO 527-2/50
Flexural Modulus ¹	1400	MPa	ISO 178

Flexural Stress	38.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	3.0	kJ/m ²	ISO 179/1eA
23°C	7.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	30	kJ/m ²	ISO 179/1eU
23°C	68	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	102	°C	ISO 75-2/B
1.8 MPa, not annealed	61.0	°C	ISO 75-2/A
Vicat Softening Temperature	140	°C	ISO 306/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.	2.0 mm/min		

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