

MAJORIS FFR030X

Polypropylene
AD majoris

Message:

MAJORIS FFR030X is a low halogen flame retardant high performance polypropylene compound, UL 94 V0, intended for injection moulding. The product is available in natural (MAJORIS FFR030X) but other colours can be supplied on request.

MAJORIS FFR030X is intended for components which require long term heat resistance, it has a good heat distortion temperature, good rigidity and good dimensional stability.

APPLICATIONS

MAJORIS FFR030X is intended for the injection moulding of electrical indoor component, directive conform 2002/95/CE (RoHS) and WEEE.

General Information			
Additive	Flame retardancy		
Features	Low Halogen Content		
	Good dimensional stability		
	Rigidity, high		
	Recyclable materials		
	Flame retardancy		
Uses	Electrical components		
Agency Ratings	EU 2002/96/EC (WEEE)		
RoHS Compliance	RoHS compliance		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	23	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	1.9	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2370	MPa	ISO 527-2/1
Flexural Modulus ¹	2200	MPa	ISO 178
Flexural Stress	38.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	21	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	125	°C	ISO 75-2/B

1.8 MPa, not annealed	70.0	°C	ISO 75-2/A
Ball Pressure Test (125°C)	Pass		IEC 60335-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		UL 94
3.20 mm	V-0		UL 94
Glow Wire Flammability Index (1.00 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	200 - 240	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Fast		
Injection instructions			
Holding pressure: 30 to 60% of the injection pressure			
NOTE			
1.	2.0 mm/min		

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