

MAJORIS DFR270 - 1298

Polypropylene

AD majoris

Message:

DFR270 - 1298 is a flame retardant with halogen compound and UL 94 VO classification, intended for injection moulding. The product is available in natural (DFR270) but other colours can be provided on request.

APPLICATIONS

DFR270 - 1298 is intended for the injection moulding of electrical component such as:

Electrical appliance components

Sockets

Interior electrical boxes

Junction boxes

Switches and connector housings

General Information			
Additive	Flame retardancy		
Features	Recyclable materials		
	Halogenated		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Electrical components		
	Electrical housing		
	Home appliance components		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	19.0	MPa	ISO 527-2/50
Flexural Modulus ¹	2200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1A
-30°C	3.0	kJ/m ²	ISO 179/1A
23°C	6.0	kJ/m ²	ISO 179/1A
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	122	°C	ISO 75-2/B
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Ignition Temperature (1.00 mm, 5.0 sec)	960	°C	IEC 60695-2-13
Oxygen Index	28	%	ISO 4589-2
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	210 - 240	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			
Holding pressure: 50 to 70% of injection pressure			
NOTE			
1.	2.0 mm/min		

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