

MAJORIS DFR 247

Polypropylene

AD majoris

Message:

DFR 247 is a halogen flame retardant compound with UL 94 V0, intended for injection moulding.

The product is available in natural (DFR 247) but other colours can be supplied on request.

APPLICATIONS

DFR 247 is intended for the injection moulding of electrical component.

General Information			
Filler / Reinforcement	Glass \mineral, 25% filler by weight		
Additive	Halogen UV stabilizer		
Features	Good UV resistance Halogenated Flame retardancy		
Uses	Electrical/Electronic Applications Electrical components		
Appearance	Available colors Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C, Injection Molded)	44.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C, Injection Molded)	3.0	%	ISO 527-2/50
Flexural Modulus ¹ (23°C, Injection Molded)	5350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C, injection molding	3.0	kJ/m ²	ISO 179
23°C, injection molding	5.5	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	148	°C	ISO 75-2/B
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 (2.00 mm)	960	°C	IEC 60695-2-12
Oxygen Index	29	%	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			
Hold-on Pressure: 50 - 70% of the injection pressure			
NOTE			
1.	2.0 mm/min		

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