

MAJORIS DFR257 - 8487

Polypropylene

AD majoris

Message:

DFR257 - 8487 is a halogen flame retardant compound with UL 94 V0, intended for injection moulding. The product is available in natural (DFR257) but other colours can be supplied on request.

APPLICATIONS

DFR257 - 8487 is intended for the injection moulding of electrical component.

General Information			
Filler / Reinforcement	Glass \mineral, 25% filler by weight		
Additive	UV stabilizer		
	Flame retardancy		
Features	Good UV resistance		
	Recyclable materials		
	Halogenated		
	Flame retardancy		
Uses	Electrical components		
Appearance	Unspecified Color		
	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)	44.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/50
Flexural Modulus ¹	5350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	3.0	kJ/m ²	ISO 179
23°C	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		
Holding pressure: 50 to 70% of the injection pressure		
NOTE		
1.	2.0 mm/min	

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