

MAJORIS EFR268

Polypropylene

AD majoris

Message:

EFR268 is a flame retardant with halogen compound and UL 94 VO classification, intended for injection moulding. The product is available in natural (EFR268) but other colours can be provided on request.

APPLICATIONS

EFR268 is intended for the injection moulding of electrical component such as:

Electrical appliance components

Sockets

Junction boxes

Switches and connector housings

General Information			
Additive	Flame retardancy		
Features	Recyclable materials		
	Halogenated		
	Flame retardancy		
Uses	Electrical components		
	Electrical housing		
	Home appliance components		
	Switch		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ISO 1133
Molding Shrinkage	1.0 - 1.2	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2/1
Tensile Stress (Break)	20.0	MPa	ISO 527-2/50
Tensile Strain (Break)	4.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179/1A
Charpy Unnotched Impact Strength (23°C)	20	kJ/m ²	ISO 179/1U
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	125	°C	ISO 75-2/B
Ball Pressure Test (115°C)	Pass		NF C 61-303
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
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 Ignition Temperature			IEC 60695-2-13
1.00 mm, 3.0 sec	960	°C	IEC 60695-2-13
2.00 mm, 3.0 sec	960	°C	IEC 60695-2-13
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

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