

MAJORIS EFR201

Polypropylene

AD majoris

Message:

EFR201 is a halogen flame retardant compound with UL 94 V0, intended for injection moulding. The product is high heat stabilised, contains metal deactivator.

The product is available in natural (EFR201) but other colours can be supplied on request.

APPLICATIONS

EFR 201 is intended for the injection moulding of electrical component.

General Information			
Additive	Metal deactivator		
	heat stabilizer		
	Flame retardancy		
Features	Recyclable materials		
	Halogenated		
	Heat resistance, high		
	Thermal Stability		
	Flame retardancy		
Uses	Electrical 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)	14	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield	24.0	MPa	ISO 527-2/50
Fracture	23.0	MPa	ISO 527-2/50
Tensile Strain (Break)	8.0	%	ISO 527-2/50
Flexural Modulus ¹	2600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	1.5	kJ/m ²	ISO 179
23°C	2.0	kJ/m ²	ISO 179
Notched Izod Impact (23°C)	2.0	kJ/m ²	ISO 180

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	130	°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	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 the injection pressure			
NOTE			
1.	2.0 mm/min		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

