

MAJORIS FFR091

Polypropylene

AD majoris

Message:

FFR091 is a low halogen flame retardant compound UL 94 V2, RoHS conform intended for injection moulding. The product is also available but other colours can be provided on request

FFR091 has very low level of toxicity and low smoke density in the case of burning and is has an excellent balance of high impact and stiffness.

FFR091 is especially designed for electrical applications.

General Information			
Additive	Flame retardancy		
Features	Low Halogen Content		
	Low smoke		
	Low toxicity		
	Rigidity, high		
	Impact resistance, high		
	Recyclable materials		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
RoHS Compliance	RoHS compliance		
Appearance	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	19	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	26.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	8.0	%	ISO 527-2/50
Flexural Modulus ¹	1300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	8.0	kJ/m²	ISO 179/1eA
23°C	13	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	87.0	°C	ISO 75-2/B
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-2		UL 94
Glow Wire Flammability Index (2.00 mm)	850	°C	IEC 60695-2-12

Injection	Nominal Value	Unit
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

