

# MAJORIS FFR091 - 1298

Polypropylene Copolymer

AD majoris

## Message:

FFR091 - 1298 is a low halogen flame retardant compound UL 94 V2, RoHS conform intended for injection moulding. The product is available in natural (FFR091) but other colours can be provided on request

FFR091 - 1298 produce very low level of toxicity and low smoke density in the case of a fire Provides an excellent balance of high impact strength and rigidity.

FFR091 - 1298 is especially designed for electrical applications.

General Information			
Additive	Flame retardancy		
Features	Low Halogen Content		
	Low smoke		
	Low toxicity		
	Rigidity, high		
	Copolymer		
	Impact resistance, high		
	Recyclable materials		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
RoHS Compliance	RoHS compliance		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm <sup>3</sup>	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 <sup>1</sup>	1300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	8.0	kJ/m <sup>2</sup>	ISO 179/1eA
23°C	13	kJ/m <sup>2</sup>	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 Ignition Temperature (2.00 mm)	850	°C	IEC 60695-2-13
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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### 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

