

VENYL UFRHW308R - 7917

Polyamide 66

AD majoris

Message:

VENYL UFRHW308R - 7917 is a halogen flame retardant compounds UL 94 V0 mineral filled reinforced polyamide 66 intended for injection moulding (specifically designed to fulfil norm such as: 2002/95/EC "ROHS").

APPLICATIONS

VENYL UFRHW308R - 7917 has been developed especially for very demanding applications in electrical parts.

Products requiring excellent combination between thermal and mechanical properties.

VENYL UFRHW308R - 7917 is available in natural (VENYL UFRHW308R) but other colours can be provided on request.

General Information			
Filler / Reinforcement	Mineral		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogenated		
	Recyclable Material		
Uses	Electrical Parts		
RoHS Compliance	RoHS Compliant		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.62	g/cm ³	ISO 1183
Molding Shrinkage	1.1	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5400	MPa	ISO 527-2
Tensile Stress (Break)	75.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	4700	MPa	ISO 178
Flexural Stress ¹	132	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	37	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	256	°C	ISO 3146
Flammability	Nominal Value	Unit	Test Method

Flame Rating			UL 94
0.800 mm	V-0		
1.60 mm	V-0		
Glow Wire Flammability Index (1.00 mm)	960	°C	IEC 60695-2-12
Oxygen Index	29	%	ISO 4589-2
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Rear Temperature	255 to 275	°C	
Middle Temperature	255 to 275	°C	
Front Temperature	250 to 270	°C	
Nozzle Temperature	250 to 270	°C	
Mold Temperature	80.0 to 100	°C	
Injection Pressure	85.0 to 110	MPa	
Injection Rate	Fast		
Holding Pressure	50.0 to 70.0	MPa	
Screw L/D Ratio	15.0:1.0 to 20.0:1.0		
NOTE			

1. at Break

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

