

E-RIALFLAME H V2Y 20 SL1

Polypropylene Homopolymer

RIALTI Srl

Message:

V-2 self-extinguishing homopolymer compound with flame-retardant properties, obtained by selected recycling of industrial scraps; low halogens content, free from PBDE and TBBP-A, free from antimony and heavy metals, low fumes emissions.
High flowability, remarkable thermal and light stability, specific for applications at sight; in compliance with the requests of the electrotechnical norms for applications in devices for domestic use; available in the versions natural and colored as per sample.

General Information			
Features	Antimony Free		
	Flame Retardant		
	Good Thermal Stability		
	Halogen Free		
	High Flow		
	Homopolymer		
	Low to No Fumes		
	Self Extinguishing		
Uses	Electrical/Electronic Applications		
Appearance	Colors Available		
	Natural Color		
Forms	Regrind		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.5	%	
Flow	1.5	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	75		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/20
Yield, 23°C	30.0	MPa	
Break, 23°C	20.0	MPa	
Tensile Strain			ISO 527-2/20
Yield, 23°C	8.0	%	
Break, 23°C	250	%	

Flexural Modulus ¹ (23°C)	1600	MPa	ISO 178
Flexural Stress (23°C)	41.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	55	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/1A
-20°C	2.0	kJ/m ²	
23°C	3.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	55.0	°C	ISO 75-2/A
Vicat Softening Temperature	92.0	°C	ISO 306/B50
Ball Pressure Test (125°C)	Pass		IEC 335
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-2		
3.00 mm	V-2		
Glow Wire Flammability Index ²			IEC 60695-2-12
1.00 mm	850	°C	
2.00 mm	850	°C	
4.00 mm	850	°C	
Oxygen Index	24	%	ISO 4589-2
Needle Flame Test ³ (2.00 mm)	Pass		IEC 60695-2-2
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	190 to 210	°C	
Mold Temperature	30.0 to 40.0	°C	
NOTE			
1.	2.0 mm/min		
2.	Pass		
3.	Method A-B		

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



WECHAT