

RIALFLAME H V2L 15 H 20 TD

Polypropylene Homopolymer

RIALTI Srl

Message:

Polypropylene self-extinguishing compound, homopolymer 20% talc filled; classifiable according to the norms of UL-94, V-2; low halogen content. Free from PBDE. Free from antimony and heavy metals. Thermal stabilization for use at high process temperatures. High flowability and stiffness, specific for applications where good planarity and dimensional stability with contained shrinkage are required. Available in the versions natural and colored as per sample.

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Features	Antimony Free		
	Good Dimensional Stability		
	Good Thermal Stability		
	Halogen Free		
	High Flow		
	High Stiffness		
	Homopolymer		
	Self Extinguishing		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.2	%	
Flow	1.2	%	
Ash Content	20	%	ISO 3451
Accelerated Oven Aging (150°C)	16.7	day	ISO 4577
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	76		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/20
Yield, 23°C	31.0	MPa	
Break, 23°C	23.0	MPa	
Tensile Strain			ISO 527-2/20

Yield, 23°C	5.0	%	
Break, 23°C	30	%	
Flexural Modulus ¹ (23°C)	2500	MPa	ISO 178
Flexural Stress (23°C)	46.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	34	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/1A
-20°C	2.2	kJ/m ²	
23°C	2.6	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	61.0	°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	
Glow Wire Ignition Temperature			IEC 60695-2-13
1.00 mm	725	°C	
2.00 mm	725	°C	
4.00 mm	725	°C	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	180 to 200	°C	
Mold Temperature	30.0 to 40.0	°C	
NOTE			
1.	2.0 mm/min		
2.	IDONEO		

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

