RIALFLAME C V0S 02 S 20 T0

Polypropylene Copolymer

RIALTI Srl

Message:

Polypropylene compound 20% talc filler, flam retardant; classifiable, according to the norms of UL-94, V-0 up to 1.5mm.
Main properties: retarding to the flame with extinction contained time; high flowability; good impact strength up to low temperatures and dimensional stability.
Good characteristic as Glow Wire
Specific flowability for extrusion, available in the version natural and colored.

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Features	Copolymer Flame Retardant Good Dimensional Stability Good Impact Resistance High Flow Low Temperature Impact Resistance		
Appearance	Colors Available Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.32	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.1	%	
Flow	1.1	%	
Ash Content	20	%	ISO 3451
Accelerated Oven Aging (150°C)	6.3	day	ISO 4577
Glow Wire Test	Pass		IEC 60695-2-12
Needle Flame Test [1] (2.00 mm)	Pass		IEC 60695-2-2
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D, 15 sec)	71		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ISO 527-2/20
Yield, 23°C	22.0	MPa	
Break, 23°C	18.0	MPa	
Tensile Strain			ISO 527-2/20

Yield, 23°C	3.0	%	
Break, 23°C	200	%	
Flexural Modulus [2] (23°C)	2700	MPa	ISO 178
Flexural Stress (23°C)	37.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Unnotched Impact Strength (23°C)	45	kJ/m^2	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/1A
-40°C	2.0	kJ/m^2	
-20°C	2.7	kJ/m^2	
23°C	6.0	kJ/m^2	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	62.0	°C	ISO 75-2/A
Vicat Softening Temperature	80.0	°C	ISO 306/B50
Ball Pressure Test	Pass		IEC 335
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
1.50 mm	V-0		
3.00 mm	V-0		
Glow Wire Ignition Temperature (2.00 mm)	775	°C	IEC 60695-2-13
Oxygen Index [3]	28	%	ISO 4589-2
Extrusion	**Nominal Value**	**Unit**	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Melt Temperature	190 to 210	°C	
NOTE			
1.	Method A-B		
2.	2.0 mm/min		
3.	23°C		

Recommended distributors for this material

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