

HFX 1008

PVC TYPE A INSULATION COMPOUND

Description

HFX 1008 is a RoHS Type A FRLS insulation compound confirming to IS 5831-1984 for wire and cable applications.

Specifications

HFX 1008 compound meets IS 5831-1984

Salient Features

- Good flow properties resulting in smooth extrusion
- Good Physical and Mechanical properties

Technical Specifications Sheet

Properties	Test Method	Unit	Typical Value
a. Physical			
Density	ASTM D 792	gm/cc	1.48±0.02
b. Mechanical			
Hardness	ASTM D 2240	Shore A	90±2
Before Ageing			
Tensile strength (250mm/min)	ISO 10810 Part 7	N/mm ²	>12.5
Elongation at Break (250mm/min)	ISO 10810 Part 7	%	>220
Change of Properties after heat ageing(7 days at 135°C)			
Tensile strength (250mm/min)	ISO 10810 Part 11	%	NO CHANGE
Elongation at Break (250mm/min)	ISO 10810 Part 11	%	NO CHANGE
c. Thermal			
Thermal stability@200°C /100 mins	ISO 10810 Part 60	Minutes	>100
Loss of Mass in Air Oven @80°C for 7 days:			
Loss of Mass	ISO 10810 Part 10	mg/cm ²	0.6
d. FR Test			
Oxygen index	ASTM D 2863	%	Min 30
Temperature index	ASTM D 2863	°C	Min 280
Smoke Density Rating	ASTM D 2843	%	<60
HCL Emission	IEC-754	%	18
Volume Resistivity@27°C	ASTM D 257	Ω-cm	5.8*10 ¹³
Volume Resistivity @70°C	ASTM D 257	Ω-cm	3.8*10 ¹⁰
Cold Bend test @-15°C/240min	IEC 60811	°C	PASS
Cold Impact test @-15°C/240min	IEC 60811	°C	PASS

Processing parameters

HFX1008 can be processed on any good PVC extruder with a temperature range of 140°C-185°C and preheating the same up to 70°C is recommended to avoid moisture bubbles on end products.

Packaging, Storage & Transport

Package	Net Weight 25 kgs	PP Laminated Bags
Transport	Requirement	Keep away from the sunshine, rain & soaking during transport, as well as handle gently while carrying.
Storage	Environment	Clean, dry and ventilated ware house.

Technical Assistance

Our technical team will be available for assistance on request.

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Disclaimer

The above mentioned recommendations are derived after various trials and checks conducted under different conditions. It is advised that the above stated information must be used as guidelines only. We suggest that the customer conducts their own trials and arrive at the optimum processing parameters which are best suited for their equipment and processing conditions. Sankhla does not take any responsibility for any sort of loss arising due to improper handling or usage of materials supplied.

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