

PS-14 I

PVC TYPE C COMPOUND

Description

PS-14I conforms to Type C lead stabilized insulation of IS 5831-1984 for wire and cable applications. It is formulated with carefully selected PVC Resins, Plasticizers, Stabilizers & other additives.

Specifications

PS-14I 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	1.45±0.02
b) Mechanical			
Hardness	ASTM D 2240	Shore A	89±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	%	>125
Change of Properties after heat ageing(7 days at 135°C)			
Tensile Strength (250mm/min)	ISO 10810 Part 11	%	±25
Elongation at Break (250mm/min)	ISO 10810 Part 11	%	±35
c) Thermal			
Thermal stability@200°C	ISO 10810 Part 60	Minutes	>100
Heat Shrinkage@150°C/15 mins	ISO 10810 Part 12	%	Max 4
Volume Resistivity@27°C	ASTM D 257	Ω-cm	1*10 ¹³
Volume Resistivity @70°C	ASTM D 257	Ω-cm	1*10 ¹⁰
Cold bend test @-15°C ±2°C/ 2-3 hours:			
Visual examination	ISO 10810 Part 20	-	No cracks or scales
<ul style="list-style-type: none"> • Data evaluated on 25*25*6mm thick compression moulded block • Data evaluated o extruded sleeve of thickness between 0.8-1.2mm / 1-2mm thick sheets 			

Processing parameters

PS 14 I 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.

Color Options

It can be coloured with 2% to 4% PVC compatible masterbatches without affecting end product properties.

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 trails 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 trails 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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