

Typical specifications - Poly Vinyl Chloride Characteristics measured at - 23° C

Particulars	Test Method	Value	Units
Specific Gravity	ASTM D 1784	1.4	
Compressive Strength	ASTM D 695	540	Kg/cm ²
Tensile Strength	ASTM D 638	390	Kg/cm ²
Flexural Strength	ASTM D 790	727	Kg/cm ²
Impact	–	3.6	cm Kg/cm ²
Thermal Conductivity	ASTM D 177	4.0	Cal/Sec sq. Cm/° C/cm x10
Working Temperature	–	70	°C
Specific Heat	–	0.22	Cal/° C/gm
Thermal Expansion	–	0.063	Mm/m °C
Burning Rate	ASTM D 635		Self Extinguishing
Modulus Elasticity in Tension	ASTM D 638	19,800	Kg/cm2
Water Absorption	ASTM D 570	0.10	% in 24 hrs.
Hardness	ASTM D 2240	70	Duro D
Dielectric Constant	ASTM D 150	1.7	60 cps at 30° C
Power Factor	ASTM D 150	2.52	60 cps at 30° C
Dielectric Strength	ASTM D 149	30	Kv/mm

Manufacture
Trunking

Appearance
The extruded components have a standard white finish. The moulding components are similar in appearance to the main body in standard white finish.

Fire
The material used is non-flame propagating and a Class 1 spread of flame achieved when tested in accordance with the requirements of BS 476 Part-7

Electrical
PVC used is non-conductive.
Dielectric Strength : 40 Kw/mm in TX Oil
Volume Resistivity :> 10 ohms at 50% RH and 23° C

Workability
Ducts for cable management can be readily cut and drilled with hand tools.

Strength
High Impact resistance under normal climatic conditions.
Charpy notched impact strength : 25 KJ/m2
Tensile Strength : At yield 34.62N/mm2
At Break 42.00 N/mm2
Density : 1.35 to 1.45

Durability
PVC material used for ducts is resistant to vermin and termites. It is stable and will maintain its performance characteristics in accordance with the specifications described above.

Chemical Resistance
The material used is non-corrosive and not affected by sea water. It has excellent resistance to mineral acids, alkalis and detergents. It offers good resistance to alcohol but liable to attack from solvents such as ketones, aromatic and hydrocarbons.

Thermal Properties
PVC formulation used in ducts for cable management can withstand local thermal expansion and construction when installed in accordance with the installation guide.
Co-efficient of linear expansion :
5.5 x 10 per °C (6mm x 4000mm with a temperature of 25° C)
Operating Temperatures :-5°C to 60°C
Vicat Softening point : 81 C
Thermal Conductivity : 0.9w/m/°C

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Ultra Polymers

Survey No. 338/1-C, Nr. Patel Cricket Ground,
Kachigam, Daman 396 210. (UT) INDIA
TEL: +91-260-2240463-64 **FAX :** +91-260-2240465
E-MAIL : nishiplastic@yahoo.co.in • ultrapolymers@yahoo.co.in
WEBSITE : www.sfx-products.com

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SFX PVC TRUNKING
(CABLE TRUNKING)

A Whole New Dimension in Quality

Available in both rectangular & square cross sections in four sizes.

Standard Length : 3 Meters
Material : High Impact Strength Rigid PVC
Colour : White
Thickness : 2.00 to 2.50mm

