

Polyvinyl Chloride (PVC)

 Grade: **PC-HRFR** | Application: **Wires & Cables**

Material Description:- PC-HRFR is flame retardant & heat resistant PVC compounds meet IS-5831-1984 for wires & cables application. The PVC compound is formulated by high quality pvc resin with additives & stabilizer to achieve excellent mechanical properties alongwith good processability.

General Information

Material Status	● Active
Availability	● Asia Pacific ● Africa ● Europe ● Middle East
Features	● Ultra Smoothness ● Low Cost ● High Flexibility
Form	● Pellets
Processing Method	● Extrusion

ASTM & ISO PROPERTIES

Physical		Test Method	Unit	Nominal
Density/Specific gravity		ASTM - D - 792		1.37 ± 0.03
Mechanical				
Tensile At Break (Before Ageing)		IS : 10810	Mpa	≥ 15.0
Elongation At Break (Before Ageing)		IS : 10810	%	≥ 200
Hardness		ASTM - D 2240	Shore A	92 ± 2
Thermal Stability @200° C± 0. 5° C		IS : 10810	Minutes	≥ 240
Volume Resistivity @27° C		IS : 3396 / 79	Ohm - cm	≥ 1X10 ¹⁴
After ageing @ 80° C ± 2° C for 7 days				
After ageing Tensile strength		IS : 10810	%	16.8
Variation in Tensile strength		IS : 10810	%	± 20.0
After aging Elongation		IS : 10810	%	260
Variation in Elongation		IS : 10810	%	± 20.0
Loss Of Mass In Air Oven @ 80° C ± 2° C for 7 days				
Loss Of Mass		IS : 10810	mg/cm ²	≤ 1.15
Flame Retardant Test				
Oxygen index		IS : 10810	%	≥ 30.0
Temperature Index		IS : 10810	°C	≥ 250

Notes: Test specimen made after milling the granules and then in compression mould at 160 °C for 10 min with 200kg / cm² hydraulic pressure.

Additional Information: N/A

Packaging: Available in 25 kg woven sacks bag with PE liner to prevent moisture or in 1000kg jumbo bags.

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