

## Polyvinyl Chloride (PVC)

Grade: **PC-FR02** | Application: **Wires & Cables**

**Material Description:-** PC-FR02 This material is best suited for flame retardant (FR) wires application has high thermal stability, excellent strength and flame retardant properties made with high quality raw materials. Can be used in both insulation and sheathing according to customer's requirement.

### 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		1.55±0.02
<b>Mechanical</b>			
Tensile At Break (Before Ageing)	IS : 10810	Mpa	17
Elongation At Break (Before Ageing)	IS : 10810	%	290
Hardness	ASTM - D 2240	Shore A	90
Thermal Stability @200° C± 0. 5°C	IS : 10810	Minutes	100
Volume Resistivity @27°C	IS : 3396 / 79	Ohm - cm	≥ 1X10 <sup>14</sup>
<b>After ageing @ 80°C ± 2°C for 7 days</b>			
After ageing Tensile strength	IS : 10810	%	16.8
Variation in Tensile strength	IS : 10810	%	1.17
After aging Elongation	IS : 10810	%	260
Variation in Elongation	IS : 10810	%	-10.34
<b>Loss Of Mass In Air Oven @ 80°C ± 2°C for 7 days</b>			
Loss Of Mass	IS : 10810	mg/cm <sup>2</sup>	1.1
<b>Flame Retardant Test</b>			
Oxygen index	IS : 10810	%	30.2
Temperature Index	IS : 10810	°C	275

**Notes:** Test specimen made after milling the granules and then in compression mould at 160 °C for 10 min with 200kg / cm<sup>2</sup> 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.

**Polycrust Extrusions India Pvt. Ltd.**

Head Office Address: Plot No. B-21, Sector - 1 , DSIDC Bawana Industrial Area, New Delhi - 110039, India

Contact Details:

Phone No. 0091 9999934392

Email Address: [sales@polycrust.co](mailto:sales@polycrust.co) ,

[Exports@polycrust.co](mailto:Exports@polycrust.co)

Website: [www.polycrust.co](http://www.polycrust.co)