

Polyvinyl Chloride (PVC)

Grade: **PC-GP03** | Application: **Wires & Cables**

Material Description: This material is best suited for general purpose wires application has high thermal stability, excellent strength 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		1.58±0.02
Mechanical				
Tensile At Break (Before Ageing)		IS : 10810	Mpa	≥ 16.5
Elongation At Break (Before Ageing)		IS : 10810	%	≥ 290
Hardness		ASTM - D 2240	Shore A	90± 2
Thermal Stability @200° C± 0. 5°C		IS : 10810	Minutes	≥ 215
Volume Resistivity @27°C		IS : 3396 / 79	Ohm - cm	≥ 2X10 ¹⁴
After ageing @ 80°C ± 2°C for 7 days				
After ageing Tensile strength			%	≥16.8
Variation in Tensile strength			%	-6.66
After aging Elongation			%	≥ 270
Variation in Elongation			%	7.68
Loss Of Mass In Air Oven @ 80°C ± 2°C for 7 days				
Loss Of Mass			mg/cm2	0.5
Flame Retardant Test				
Oxygen index			%	30.5
Processing Temperature			°C	130-170

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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