

TECHNICAL DATA SHEET (TDS)

Product: PVC Cable Insulation Compound

Manufacturer: Pragya Polymers

Grade: ST1 – Economy

Application: Electrical Wires & Cables

Grade Description

Cost-optimized PVC insulation compound for general-purpose building wires with stable processing and acceptable mechanical performance.

Property	Test Method	Typical Value	Unit
Density @ 23°C	ASTM D792	1.38 ±0.02	g/cm ³
Hardness	ASTM D2240	82 ±3	Shore A
Tensile Strength	IS 5831	≥12.5	MPa
Elongation at Break	IS 5831	≥150	%
Operating Temperature	IS 5831	70	°C
Volume Resistivity	IS 5831	≥1×10 ¹²	Ω·cm

Processing Guide

Single screw extruder recommended; Barrel 140–160 °C; Die 160–170 °C; Stable melt flow for high-speed lines.

Notes & Compliance

Lead-free, RoHS compliant. Typical values for guidance only.