



TECHNICAL DATA SHEET (TDS)

Product: PVC Cable Insulation Compound

Manufacturer: Pragya Polymers

Grade: ST2 – Standard

Application: Electrical Wires & Cables

Grade Description

Balanced PVC insulation compound designed for 90 °C rated cables with reliable long-term thermal and electrical performance.

Property	Test Method	Typical Value	Unit
Density @ 23°C	ASTM D792	1.42 ±0.02	g/cm ³
Hardness	ASTM D2240	88 ±3	Shore A
Tensile Strength	IS 5831	≥12.5	MPa
Elongation at Break	IS 5831	≥150	%
Operating Temperature	IS 5831	90	°C
Hot Set @ 200°C	IS 5831	≤100	%

Processing Guide

Single screw extrusion; Barrel 150–170 °C; Die 170–180 °C; Controlled shear recommended.

Notes & Compliance

Lead-free, RoHS compliant. Typical performance values.