



## TECHNICAL DATA SHEET (TDS)

Product: PVC Cable Insulation Compound

Manufacturer: Pragya Polymers

Grade: ST2 – High Performance

Application: Electrical Wires & Cables

### Grade Description

Enhanced ST2 compound for demanding applications requiring superior thermal ageing, deformation resistance, and process robustness.

Property	Test Method	Typical Value	Unit
Density @ 23°C	ASTM D792	1.44 ±0.02	g/cm <sup>3</sup>
Hardness	ASTM D2240	92 ±3	Shore A
Tensile Strength	IS 5831	≥15.0	MPa
Elongation at Break	IS 5831	≥180	%
Thermal Ageing 100°C x 168h	IS 5831	Pass	-
Operating Temperature	IS 5831	90	°C

### Processing Guide

Twin screw preferred; Barrel 155–175 °C; Die 175–185 °C; Optimized for continuous high-load operation.

### Notes & Compliance

Lead-free, RoHS & REACH compliant. Suitable for industrial and premium cables.