



## PVC INSULATION GRADE – TI 1, BS EN 50363-3

A family of standard products environment friendly, PVC compounds meet the performance requirements for insulation on a wide range cables including electrical compliance, flame retardance, weatherability.

Application – PVC TI 1 is intended for use as 70°C rated primary insulation for Building wires

General - RoHS compliant

Fuses – Insulation

Forms – Pellets

Appearance – Natural

Processing method – Extrusion

### Specifications of Pvc Insulation Grade – Ti 1, Bs En 50363-3

Test	Nominal Value unit	Test method
Physical Specific Gravity	1.48 gm/cc	ASTM D792
Mechanical Tensile strength (at Break) Tensile Elongation (at Break)	16 N/mm <sup>2</sup> 250 % 1	EN 60811-1-1
Variation in Mechanical properties after Ageing in air oven (168 h, 80°C)	+/- 15 %	EN 60811-1-1
Hardness Durometer Hardness	90 Shore A	ASTM D2240

#### Thermal

Max. Continuous use temp.	+70°C
Brittleness temp.	-20°C

#### Processing Information

Melt temperature	160°C
Flame resistance	IEC 60332-1.2