



Ddev Plastiks Industries Limited

TECHNICAL DATA SHEET

KI – 90 T – 2: PVC Cable Insulation Compound

Description:

KI – 90 T-2 is a PVC compound specially designed for insulation in road vehicle cables.

KI –90 T-2 is formulated with a high-quality suspension grade PVC resin with heat resistant plasticizers, stabilizers and other processing additives.

Specification:

- ISO:6722 / JASO 611 : AVSS / CLASS B (T-2)

Colour : Natural/Black. Customized colour can be obtained upon request.

Typical Properties:

Property	Unit	Test Method	Typical value
Application Temp	⁰ C		(+) 105 to (-) 40
Sp. Gravity @27 ⁰ C		ASTM - D – 792	1.34 ± 0.03
Hardness @27 ⁰ C	Shore A	ASTM - D 2240	92 ± 2
Thermal Stability@200 ⁰ C	Minutes	IS : 10810 (60)	≥ 240
Tensile Strength (TS) @27 ⁰ C	MPa	IS : 10810 (7)	≥ 16.0
Elongation at Break (E.B) @27 ⁰ C	%	IS : 10810 (7)	≥ 225
Ageing Test	Temperature, ⁰ C	ISO 6722	125
	Duration, Hrs	ISO 6722	240
Variation of T.S		IS : 10810 (11)	≤ ± 25.0
Variation of E.B	%	IS : 10810 (11)	≤ ± 25.0
Volume Resistivity @27 ⁰ C	Ohm - cm	IS : 3396 / 79	≥ 1x10 ¹⁴

*Typical values reported in the table have been obtained from measurements made on compression moulded sheet. Above Values are Typical value of Compound and customer need to check before accepting the TDS.

Forms: Pellets

Processing:

KI – 90 T-2 can be processed on any good extruder designed for PVC cable extrusion at temperature in the range of 140⁰C- 160⁰C. This is the guideline temperature range; actual temperature should be optimized by the user depending upon the other processing variables. The screw must have a good homogenizing capacity. Preheating of granules at 60+/-5⁰C is always advisable for better processing.

Packaging:

KI – 90 T-2 is available in the form of free-flowing pellets and supplied in bags with sealed double layer PE liner to prevent moisture. The finished bag weight is either 25 kg woven sacks bag or in 1000kg jumbo bags.

Storage:

Material should be store in moisture free cool & dry place and should be consumed within three months from the date of manufacturing.

Safety:

KI – 90 T- 2 is not classified as a dangerous product group.

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. These are all the typical values only and subject to change without prior intimation. The product is sold upon condition that purchaser should make their own tests to determine the suitability of such product of their particular purpose and purchasers assume all risks and liability for the results of the use of the product.

For more information pl contact at;

Head Office:

2B Pretoria Street, Kolkata-71

Tel: 91-33-22823744/45/3671

Fax:91-33-22823739

E-mail: kolkata@ddevgroup.in

Website: www.ddevgroup.in

Works:

Survey No: 24/3, Demni Road, Village-Demni

Dadra(Dadra & Nagar Haveli)-396 193, India

Tel:91-9909006426

E-mail:dadra@ddevgroup.in

Mumbai Office

106, Laxmi Plaza, Laxmi Industrial Estate

New Link Road, Andheri(West)

Mumbai-400053, India

E-mail: mumbai@ddevgroup.in