

TECHNICAL DATA SHEET

KI – 22M : Heat resistant PVC Cable Compound (Type –C as per IS 5831)

Description:

KI – 22M is a heat resistant compound for insulation applications in a wide variety of cables. **KI – 22M** is formulated with a high quality resin with plasticizers, stabilizers and chemicals and other additives.

Typical Properties:

Cable manufactured with **KI – 22M** according to standard manufacturing process meets IS: 5831/2001 specification.

Property	Unit	Test Method	KI – 22M
Application Temp	°C		(+) 85
Sp. Gravity @27°C		ASTM - D – 792	1.38 ± 0.03
Hardness @27°C	Shore A	ASTM - D 2240	92 ± 2
Thermal Stability@200°C	Minutes	IS : 10810 (60)	≥ 150
Tensile Strength (TS) @27°C	MPa	IS : 10810 (7)	≥ 17.0
Elongation at Break (E.B) @27°C	%	IS : 10810 (7)	≥ 250
Ageing Test	Temperature	°C	135
	Duration	Hr	168
Variation of T.S	%	IS : 10810 (11)	≤ ± 25.0
Variation of E.B	%	IS : 10810 (11)	≤ ± 35.0
Volume Resistivity @27°C	Ohm - cm	IS : 3396 / 79	≥ 1x10 ¹⁴

* Test specimen made after milling the granules and the compression moulded at 160 °C for 10 min with 200kg / cm²hydraulic pressure

Processing:

KI – 22M can be processed on any good extruder designed for PVC cable extrusion at temperature in the range of 140°C-180°C. 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 80+/-5°C is always advisable for better processing.

Packaging:

KI – 22M 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 25 kg woven sacks bag.

Storage:

Material should be store in moisture free cool & dry place.

Safety:

KI – 22M 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-01

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)-396230,
India
Tel:91-260-2668 758/59/61,Fax:91-260
2668760

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

168-151-158, Dabhel Industrial Co-Op Soc. Ltd
Dabhel, Daman-369215
Tel: 91-260-2242684/6545123, Fax: 91-260 2243799
E-mail: daman@ddevgroup.in

KOLKATA WORKS
Vill &P.O:Chaturbhujkathi, kandua,
P.S.Sankarail, howrah-711313
E-mail: kolkata@ddevgroup.in