



# Kkalpana Industries (India) Limited

An ISO 9001:2015 company  
**TECHNICAL DATA**

**Natural LLDPE Sheathing Compound:**

**KI –SC – 0699**

## DESCRIPTION :

KI-SC-0699 is a high molecular weight, Linear low density Polyethylene based Sheathing compound. An enriched additive package ensures its thermal stability and copper conductor application.

KI-SC-0699 has excellent stress crack resistance and tensile properties. It contains UV additive to ensure excellent resistance to outdoor weathering.

## TYPICAL PROPERTIES:

Properties	Unit	Typical Value	Test Method
Colour	-	Natural	Visual
Density	gm / cm <sup>3</sup>	0.925	ASTM D-792
Melt flow index @ 190°C / 2.16 kg load	gm / 10 min	0.60-0.80	ASTM D-1238
Oxidation Induction Time	Minutes	>40	ASTM-D-3895
Tensile Strength at break	MPa	>18	ASTM-D-638
Elongation at Break	%	>800	ASTM-D-638
ESCR @ 50°C (No failure)	Hrs.	> 96	ASTM-D-1693
Hardness	Shore D	49-50	ASTM-D-2240
Oven ageing at 100°C,240 hours			
a) Variation in Tensile Strength	%	±20	IS-10810 Part-11/IEC 60811-401 DO
b) Variation in Elongation at Break	%	±20	

All properties have been determined from compression moulded plaques after 24 hours conditioning.

## PROCESSING CONDITIONS :

Position	Temperature (°C)
Barrel	160 - 180
Head	180 - 200
Die	200 - 220

**PACKAGE** : 25 kg packed woven sack bags containing inner PE liners, other packing to customers Specific requirements are also available.

**STORAGE** : Storage should be in cool & proper place. Bags should be kept top of wooden or Plastic pallets.

*The information given in the document is believed to be reliable and is given in the good faith but without warranty. The user should test the product to ascertain the suitability for the intended use. Product specification or the whole document is subject to change without any prior notice.*

**MKT: TDS – SC/0699 – 11/17**

