Ddev Plastiks Industries Limited

An ISO 9001:2015 company

TECHNICAL DATA

NATURAL HDPE SHEATHING /JACKETING COMPOUND: KI –SC – 0366

DESCRIPTION :

KI-SC-0366 is a natural, UV- Stabilised colourable High Density Polyethylene (HDPE) Sheathing/Jacketing Compound and is well suited for control and power cables.

KI-SC-0366 has excellent stress crack resistance and tensile properties. It contains UV - additive to ensure excellent resistance to outdoor weathering.

SPECIFICATIONS :

KI-SC-0366 conforms: ST-7 of IEC-60502 / 60840 except Carbon Black content.

TYPICAL PROPERTIES:

Properties	Unit	Typical Value	Test Method
Density	gm / cm^3	0.945	ASTM D-792
Melt flow index @ 190°C / 2.16 kg load	gm / 10 min	0.50	ASTM D–1238
Oxidation Induction Time	Minutes	> 100	ASTM-D-3895
Tensile Strength at break	MPa	>20.0	ASTM-D-638
Elongation at Break	%	> 800	ASTM-D-638
Oven ageing at 110 °C, 14 Days Variation in Tensile Strength	%	± 20	IS-10810 Part-11/IEC 60811-401
Variation in Elongation at Break	%	± 20	DO
ESCR @ 50°C (No failure)	Hrs.	> 1000	ASTM-D-1693
Hardness	Shore D	59 - 60	ASTM-D-2240

All properties have been determined form compression moulded plaque after 24 hours conditioning.

PRE DRYING : Dehumidified hopper drying at 70°C for 1 to 2 hours prior to extrusion may be used to remove moisture. Specific processing conditions depends on type / size of the extruder and cable dimension and output.

PROCESSING CONDITIONS :

Position	Temperature (°C)
Barrel	180 - 200
Head	200 - 220
Die	230

PACKAGE : 25 kgs packed woven sack bags containing inner PE liners, Other packing to Customers specific requirements are also available.

STORAGE :Shelf life of the product is 12 months from the date of production subject to following condition: Storage should be in cool & dry place.Bags should be kept on 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/0366 – 11/17