Ddev Plastiks Industries Limited

An ISO 9001:2015 company

TECHNICAL DATA

Flame retardant HDPE Sheathing / Jacketing Compound: KI – SC – 0366 FR BK ATAR

DESCRIPTION :

KI-SC-0366 FR BK ATAR is a Black halogen free flame retardant High molecular weight, High density polyethylene (HDPE) sheathing / jacketing compound having anti termite and anti rodent additives is well suited for control and power cables.

Properties	Unit	Typical Value	Test Method
Density of Compound	gm / cm^3	1.23	ASTM D-792
Melt flow index @ 190°C / 2.16 kg load	gm / 10 min	0.6	ASTM D–1238
Tensile Strength at break (Speed 50mm/min)	MPa	> 15	ASTM-D-638
Elongation at Break (Speed 50mm/min)	%	> 450	ASTM-D-638
Oven ageing at 110 °C, 14 Days Variation in Tensile Strength Variation in Elongation at Break	 % %	 ± 20 ± 20	IEC-60811-401
Volume Resistivity@25^{0}C	Ohm-cm	>1x10^{15}	ASTM-D-257
Electric Strength	kV/mm	> 10	IEC 60243-1
Pressure Test (@115^{0}C,6hr)	%	<10%	IEC 60811-3-1
Hardness	Shore D	59 - 60	ASTM-D-2240
Limiting Oxygen Index	%	28	ASTM-D-2863

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	160 - 180
Head	180 - 200
Die	210

PACKAGE **:** 25 kgs 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.