

js-link KDC-2050

PEROXIDE MEDIUM VOLTAGE XLPE COMPOUND

js-link KDC-2050 is a low density crosslinkable polyethylene compound designed for medium voltage power cable insulation with range of up to 35 KV.

It has excellent scorch property, electrical property, good heat resistance and crosslinking characteristics.

Physical Properties

Density	G/cm ³	0.920
Tensile Strength	N/mm ²	19
Elongation	%	580
Oven Aging 7 days at 136 C		
Tensile Retention	%	>90
Elongation Retention	%	>90
Hot Test at 200 C 15min.	%	50
Set Test	%	4
Shrinkage at 130 C 1h.	%	1.5
Degree of Crosslinking	%	85

Electrical Properties

Volume Resistivity	Ohm.cm	>1 x 10
Dissipation Factor @ 1 MHZ		0.0004
Dielectric Constant @ 1 MHZ		2.3

Processing Conditions

Extrusion Temperature : 115-135 C
C.V line Curing Temperature : 320-380 C
Compression molded sample cured at 175 C for 15min

KDC Technology & Company

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