

KLJ-VINYL (PVC COMPOUNDS)

KLJ offers PVC Compound for wire & cable industries for both insulation & sheathing applications. The products conform to the following quality guidelines & standards.
IS:5831:1984, BS:7655, IS:694, BIS, ASTM & RDSO.

PROPERTIES	SPECIFIC GRAVITY	HARDNESS SHORE-A	THERMAL STABILITY AT 200 °C (MIN.)	BEFORE AGEING		AGEING CONDITIONS		VARIATION AFTER AGEING			VOLUME RESISTIVITY AT 27 °C	VOLATILE LOSS AT 130 °C FOR 3 HRS	APPLICATION
				TENSILE STRENGTH	ELONGATION AT BREAK	TEMP.	TIME	TENSILE STRENGTH	ELONGATION AT BREAK	LOSS OF MASS			
UNIT	—	Nos.	Minutes	N/mm ² (Min.)	% (Min.)	°C	Days	%	%	mg/cm ² (Max.)	Ω-cm (Min.)	% (Max.)	
TEST METHOD	ASTM D-792	ASTM D-2240	IS 5831	IS 10810 (Part 7)		IS 10810 (Part 11)		IS 10810 (Part 11)		IS 10810 (Part 10)	IS 3396 (Part 10)	KPCL/QCD WIN-2	
GRADE													
KLJ-01	1.37 ± 0.02	95 ± 2	100	12.5	135	100	7	± 25	± 25	2	1 x 10 ¹⁴	0.6	Type-B Insulation above 3.3 KV for Rly. Signalling/Jumper wire
CG-B3S M	1.38 ± 0.02	95 ± 2	100	12.5	135	100	7	± 25	± 25	2	1 x 10 ¹⁵	0.6	Type-B Insulation for Rly. Signalling/Telecommunication wire
KLJ-22	1.32 ± 0.02	90 ± 2	80	12.5	150	80	7	± 20	± 20	2	1 x 10 ¹³	0.6	Type-A GP Insulation upto 1.1KV for Fast Extrusion
KLJ-19	1.31 ± 0.02	90 ± 2	80	12.5	150	80	7	± 20	± 20	2	1 x 10 ¹³	0.6	Skin of house wire for high speed line insulation upto 700m/min.
KLJ-20	1.43 ± 0.02	91 ± 2	80	12.5	150	80	7	± 20	± 20	2	1 x 10 ¹³	0.6	Type-A GP Insulation
KLJ-21ND/ KLJ-21ND LF	1.45 ± 0.02	91 ± 2	80	12.5	150	80	7	± 20	± 20	2	1 x 10 ¹³	0.6	Type-A GP Insulation
KLJ-48 LF	1.48 ± 0.02	94 ± 2	80	12.5	150	80	7	± 20	± 20	2	5 x 10 ¹³	0.6	Type-A GP Insulation
KLJ-48 HD	1.52 ± 0.02	93 ± 2	80	12.5	150	80	7	± 20	± 20	2	5 x 10 ¹³	0.6	Type-A GP Insulation
CG-86T	1.46 ± 0.02	84 ± 2	60	12.5	150	80	7	± 20	± 20	2	N.A.	0.7	ST-1 GP Sheathing
KLJ-34	1.45 ± 0.02	84 ± 2	60	12.5	150	80	7	± 20	± 20	2	N.A.	0.7	ST-1 GP Sheathing
KLJ-06 RC	1.47 ± 0.02	93 ± 2	80	12.5	150	100	7	± 25	± 25	2	N.A.	0.7	ST-2 GP Sheathing
KLJ-04 HM	1.55 ± 0.03	93 ± 2	80	12.5	150	100	7	± 20	± 20	2	5 x 10 ¹³	0.7	Type-A/ST-2 GP
KLJ-05 H	1.52 ± 0.02	94 ± 2	80	12.5	150	100	7	± 25	± 25	2	-	0.7	ST-2 for Power Cable
KLJ-06 M	1.52 ± 0.03	90 ± 2	80	12.5	150	80	7	± 20	± 20	2	-	1.5	GP House Wire
CG-17	1.53 ± 0.02	89 ± 2	80	12.5	150	80	7	± 20	± 20	2	1 x 10 ¹³	1.5	GP House Wire
CG-18	1.50 ± 0.02	88 ± 2	80	12.5	150	80	7	± 20	± 20	2	1 x 10 ¹³	1.5	GP House Wire
KLJ-09C	1.32 ± 0.02	94 ± 2	100	12.5	125	135	7	± 25	± 35	-	1 x 10 ¹³	0.6	Type-C Heat Resistant upto 105°C
KLJ-11	1.36 ± 0.02	95 ± 2	100	12.5	125	135	7	± 25	± 35	-	1 x 10 ¹³	0.6	Type-C Heat Resistant upto 85°C
KLJ-40	1.43 ± 0.02	82 ± 2	80	10	150	80	7	± 20	± 20	2	1 x 10 ¹²	0.6	ST-1 Soft Sheathing
KLJ-04 FR**	1.50 ± 0.02	90 ± 2	80	12.5	150	80	7	± 20	± 20	2	1 x 10 ¹³	0.6	Type-A / ST-1 FR Insulation
KLJ-92FR**	1.52 ± 0.02	96 ± 2	80	12.5	150	100	7	± 25	± 25	2	-	0.6	ST-2 FR Sheathing
KLJ-FRLS** @@#	1.56 ± 0.02	96 ± 2	80	12.5	150	100	7	± 25	± 25	2	1 x 10 ¹³	0.6	ST-2 Flame Retardant & Low Smoke Sheathing
KLJ-FRLS HS** @@#	1.56 ± 0.02	96 ± 2	80	12.5	150	100	7	± 25	± 25	2	1 x 10 ¹³	0.6	ST-2/Type-A Flame Retardant & Low Smoke Sheathing
KLJ-FRLS M1** @@#	1.56 ± 0.02	96 ± 2	80	12.5	150	100	7	± 25	± 25	2	1 x 10 ¹³	0.6	ST-2 Flame Retardant & Low Smoke Sheathing
SPECIAL COMPOUNDS													
KLJ-AYI2-LFM	1.37 ± 0.02	96 ± 2	130	20	200	100	7	± 10	± 10	2	5 x 10 ¹³	0.6	ST-2 AVSS Wire Harnessing and Automobile Cable
KLJ-HRFRLF **	1.41 ± 0.02	95 ± 2	100	16	225	100	7	± 20	± 20	2	5 x 10 ¹³	0.6	ST-2 HR FR Sheathing
KLJ-TI-3-I	1.32 ± 0.02	80 ± 2	240	15	150	135	14	± 25	± 25	1.5	1 x 10 ¹³	0.5	High Temperature Insulation Type-TI3
KLJ-TI-3-II	1.32 ± 0.02	95 ± 2	240	15	150	135	14	± 25	± 25	1.5	1 x 10 ¹³	0.5	High Temperature Insulation Type-TI3
KLJ-LT-30	1.30 ± 0.02	92 ± 2	-	10	150	80	7	± 20	± 20	2	1 x 10 ¹³	0.6	(- 30°C) application Type-TI5
KLJ-LT-40	1.32 ± 0.02	90 ± 2	-	12.5	125	80	7	± 20	± 20	2	N.A.	0.6	(- 40°C) application Type-TI4
KLJ-LT-55	1.27 ± 0.02	73 ± 2	-	12.5	125	80	7	± 20	± 20	2	N.A.	0.6	(- 55°C) application
KLJ-86 VG	1.34 ± 0.02	90 ± 2	80	12.5	150	80	7	± 20	± 20	2	1 x 10 ¹³	0.6	Type-A Skinning compound

Remark: Anti-Rhodont/Anti-Termite grades are also available.

Smoke Density Rating 60% max, **** Halogen Acid Gas Emission - 20% Max., @@Temp. Index - 300°C Min., ** LOI-29% Min., G.P-General Purpose.

The above properties are indicative and represent the values as tested in our laboratories. There is no guarantee / warranty whatsoever.

Suitability of the product for particular application may be verified before use.