

KLJ-PO (MDPE COMPOUNDS)

Description: KLJ-MDPE is a natural , colourable medium density compound. It is characterized by good heat deformation properties. Its melt temperatureb is above 120°C . it has good abrasion resistance , low water permeability and low coefficient of friction. It is well suited for insulation and cable jacketing of power cables . It can resist severe laying conditions.

Specifications: KLJ-MDPE Compound meets the following specifications.

IEC – 60502, ST-7, IEC-60840 ST-7, BS 6234 : Type 03

PHYSICAL PROPERTIES

PARAMETER	UNIT	TEST METHOD	SPECIFICATION IEC 60502 ST7	TYPICAL VALUE
Melt Flow Index. 190°C/2.16kg load	g/10 min.	ASTM D-1238	—	0.76
Density	g/cm³	ASTM D-792	—	0.94
Tensile Strength (Min.)	Mpa	IS 10810 Part-7	12.5	25
Elongation at Break (Min.)	%	IS 10810 Part-7	300	766
Variation in properties after ageing at 110 ± 3 °C for 14 days				
Tensile Strength	%	IS 10810 Part-11	—	15
Elongation at Break	%	IS 10810 Part-11	300	400
Volume Resistivity at 27°C (Min.)	Ω-cm	IS 3396	1 x 10 ¹⁶	2 x 10 ¹⁶
Shrinkage at 80 ± 3°C/5 hours (Max.)	%	IS 7098	3	1
Dielectric Constant (Max.)	—	IEC-60250	—	2
Dissipation Factor (Max.)	—	IEC-60250	—	0.0003
Dielectric Strength (Min.)	V/mil	IEC-60243	—	812
Durometer Hardness	Sh-D	ASTM D-2240	—	58

Note: Processing Guidelines, Packaging Details, MSDS and any further details can be provided upon request.