

QUALITY INDICATORS

Electrotechnical types of paper

Cable Paper for the Insulation of Power Cables of Voltage of up to 35 kV inclusively

GOST 23436-83

KM-080

No.	Indicator name	GOST standard
1	Width, μm	80 ± 5
2	Density, g/cm^3	$0,76\pm 0,05$
3	Breakdown force, kgf, no less than in the machine direction in the transverse direction	8,5 4,0
4	Relative elongation, %, no less than in the machine direction in the transverse direction	2,0 5,0
5	Porosity, cm^3/min , no more than	60
6	Ash content, %, no more than	0,6
8	pH of aqueous extract	7,0-9,0
10	Humidity, %, no more than	8,0

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KM-120

No.	Indicator name	GOST standard
1	Width, μm	120 ± 7
2	Density, g/cm^3	$0,78\pm 0,05$
3	Breakdown force, kgf, no less than in the machine direction in the transverse direction	14,5 6,5
4	Relative elongation, %, no less than in the machine direction in the transverse direction	2,4 6,5
5	Porosity, cm^3/min , no more than	40
6	Ash content, %, no more than	0,6
7	Electrical conductivity of aqueous extract, $\mu\text{S/cm}$ at a scale of 1:50, no more than	35
8	pH of aqueous extract	7,0-9,0
10	Humidity, %, no more than	8,0

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KM-140

No.	Indicator name	GOST standard
1	Width, μm	140 \pm 7
2	Density, g/cm^3	0,78 \pm 0,05
3	Breakdown force, kgf, no less than in the machine direction in the transverse direction	16,0 7,5
4	Relative elongation, %, no less than in the machine direction in the transverse direction	2,2 6,5
5	Porosity, cm^3/min , no more than	40
6	Ash content, %, no more than	0,6
7	Electrical conductivity of aqueous extract, $\mu\text{S}/\text{cm}$ at a scale of 1:50, no more than	35
8	pH of aqueous extract	7,0-9,0
10	Humidity, %, no more than	8,0

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KM-170

No.	Indicator name	GOST standard
1	Width, μm	170 ± 7
2	Density, g/cm^3	$0,78\pm 0,05$
3	Breakdown force, kgf, no less than in the machine direction in the transverse direction	19,0 9,5
4	Relative elongation, %, no less than in the machine direction in the transverse direction	2,4 6,5
5	Porosity, cm^3/min , no more than	40
6	Ash content, %, no more than	0,6
7	Electrical conductivity of aqueous extract, $\mu\text{S/cm}$ at a scale of 1:50, no more than	35
8	pH of aqueous extract	7,0-9,0
10	Humidity, %, no more than	8,0