

**INSULATING AND SEMI-CONDUCTING CREPE PAPER GRADES  
FOR INSULATION AND/OR SCREENING OF  
CURRENT, VOLTAGE AND MEASUREMENT TRANSFORMERS**



INSULATING CREPE PAPER GRADES			
	UDM	ISO100	ISO131
VERSION		Standard	Standard
HEAT CLASS		Classe "A"	Classe "A"
BASE PAPER WEIGHT	gsm	÷ 60	÷ 70
CREPE PAPER WEIGHT	gsm	100 ± 5	125 ± 5
THICKNESS (CREPE)	mm.	0,28 ± 0,03	0,33 ± 0,03
THICKNESS (STRETCHED)	mm.	0,16	0,15
DENSITY	gr/cm <sup>3</sup>	0,360	0,400
TENSILE STRENGTH. MD	N/15mm	> 45 N	> 50 N
ELONGATION MD	%	> 65 %	> 120%
ACQUEOUS EXTRACT	Ph	06-08	06-08
COND.ACQUEOUS EXTRACT	mS/m	< 8	< 8
ASH CONTENT	%	< 1	< 1
ELECTIC STRENGTH	kV/cm	260	260
NITROGEN CONTENT	%	MIN 1% MAX 4%	
TAN-DELTA 55°	%	0,087%	0,143%
TAN-DELTA 115°	%	0,150%	0,248%



SEMI-CONDUCTING CREPE PAPER GRADES				
	UoM	SEM101	SEM131	SEM170
VERSION		Standard	Standard	Standard
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BASE PAPER WEIGHT	gsm	70	80	100
CREPE PAPER WEIGHT	gsm	100 ± 10	130 ± 10	165 ± 5
THICKNESS (CREPE)	mm.	0,25 ± 0,05	0,33 ± 0,03	0,50 ± 0,03
THICKNESS (STETCHED)	mm.	0,16	0,24	0,3
DENSITY	gr/cm <sup>3</sup>	0,400	0,400	0,350
TENSILE STRENGTH. MD	N/15mm	> 38 N	> 45N	> 55N
ELONGATION MD	%	> 40%	> 60%	> 60%
ACQUEOUS EXTRACT	Ph	06-08	06-08	06-08
COND.ACQUEOUS EXTRACT	mS/m	< 20	< 15	< 20
ASH CONTENT		< 1	< 2	< 2
SURFACE RESIST. *	Ohm/1000	< 7	< 8	< 10
LONGITUDINAL RES.**	Ohm x cm.	< 700	< 1000	< 10.000
VOLUME RESIST.***	Ohm x cm.	< 100.000	< 100.000	< 100.000



\* Lindeblatt Method

\*\* Internal Method

\*\*\* Rugovski Method

**COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV  
ISO 9001**

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