

**INSOLATING MATERIALS**

**CABLES WRAPPING**

**POLYESTER FILMS**

MATERIAL PROPERTIES		UNIT	TYPICAL VALUES					TEST METHOD
THICKNESS		MY	15	23	36	50	75	MICROMETER METHOD
TENSILE STRENGTH	MD	Kg/mm <sup>2</sup>	25	25	24	22	21	ASTM D 882A
	TD		23	23	23	23	22	
ELONGATION AT BREAK	MD	%	150	150	150	150	150	ASTM D 882A
	TD		140	140	130	130	130	
YOUNG'S MODULUS	MD	Kgf/mm <sup>2</sup>	450	450	430	430	430	ASTM D 882A
	TD		500	500	480	480	480	
HEAT SHRINKAGE	MD	%	1.3	1.4	1.0	1.0	1.0	TSI METHOD (150 <sup>0</sup> c/30 min)
	TD		0.3	0.3	0.2	0.2	0.2	
COEFFICIENT OF FRICTION		-	0.35	0.35	0.35	0.35	0.35	ASTM D 1894
BREAKDOWN VOLTAGE		KV / AC	6	7	8	10	11	ASTM D 149
DENSITY		G / cm <sup>3</sup>	1.4	1.4	1.4	1.4	1.4	ASTM D 1505

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