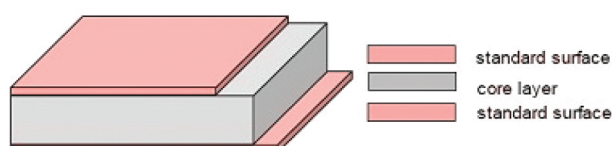


PX-MW200-MLKWHT-THERM-PET

Sarafil MW200 grade Milky White Polyester film is specially designed for Electrical insulation applications. The film exhibits superior thermal performance compared to normal polyester films and good dimensional stability over a widerange of temperatures. It can used for various industrial applications like slot liner, cable wrap, lamination for Insulatingmaterial, Transformer and other applications.



MICRON(GAUGE) 125, 188, 190, 250 (500, 752, 760, 1000)
TYPE MW200 Milky White PET Film

PROPERTIES	TEST METHOD	UNIT	125(500) MICRON (GAUGE)	188(752) MICRON (GAUGE)	190(760) MICRON (GAUGE)	250(1000) MICRON (GAUGE)
TYPICAL VALUES						
NOMINAL THICKNESS	PHC Method	Micron	125	188	190	250
		Gauge	500	752	760	1000
YIELD	PHC Method	m2/kg	5.71	3.79	3.76	2.85
		in2/lb	4015	2670	2650	2014
MECHANICAL PROPERTIES						
TENSILE STRENGTH						
MD	ASTM D-882	kg/cm2	2000	1900	1900	1800
		kpsi	28.6	27.2	27.2	25.7
TD	ASTM D-882	kg/cm2	2100	2000	2000	1900
		kpsi	30	28.6	28.6	27.1

PX-MW200-MLKWHT-THERM-PET

PROPERTIES	TEST METHOD	UNIT	125(500) MICRON (GAUGE)	188(752) MICRON (GAUGE)	190(760) MICRON (GAUGE)	250(1000) MICRON (GAUGE)
ELONGATION AT BREAK						
MD	ASTM D-882	%	150	160	160	170
TD	ASTM D-882	%	140	150	150	160
THERMAL PROPERTIES						
HEAT SHRINKAGE (AT 150 DEG. C FOR 30 MIN)						
MD	ASTM D-1204	%	1.5	1.5	1.5	1.5
TD	ASTM D-1204	%	0.6	0.6	0.6	0.6
SURFACE PROPERTIES						
CO-EFFICIENT OF FRICTION, (A/B)						
STATIC	ASTM D-1894		0.40	0.35	0.35	0.35
DYNAMIC	ASTM D-1894		0.30	0.30	0.30	0.30
OPTICAL PROPERTIES						
HAZE	ASTM D-1003	%	75	85	85	90
ELECTRICAL PROPERTIES						
BREAKDOWN VOLTAGE	ASTM D-149 (0.25 electrodes in dry air)	Kv	17	20	20	22
SURFACE RESISTIVITY	ASTM D 257	Ohm	10 ¹²	10 ¹²	10 ¹²	10 ¹²
VOLUME RESISTIVITY	ASTM D 257	ohm-cm	10 ¹⁶	10 ¹⁶	10 ¹⁶	10 ¹⁶
DIELECTRIC CONSTANT	ASTM D-150		2.6-3.8	2.6-3.8	2.6-3.8	2.6-3.8

Note: Above properties can be changed to meet the specific requirement of customers.

Standards: UL Approved: UL94 VTM-2 HWI 5 HAI 4 RTI Electrical 105 (□C) Mechanical 105 (□C) CTI 1

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