

Typical Properties



Nominal Thickness	mil	5	7	10	12	15	20	24	30	Test Method
	mm	0.13	0.18	0.25	0.30	0.38	0.51	0.61	0.76	
Typical Thickness	mil	5.3	6.9	10.0	12.2	15.0	20.0	24.4	30.3	GB/T451.3-2002
	mm	0.13	0.18	0.25	0.30	0.38	0.50	0.61	0.76	
Basis Weight	g/m ²	86	125	172	245	265	342	414	532	GB/T451.2-2002
Density	g/cc	0.66	0.69	0.68	0.79	0.67	0.67	0.67	0.69	
Tensile Strength N/cm	MD	100	155	200	300	260	320	375	420	GB/T12914-2008
	CD	40	60	80	145	130	150	180	200	
Elongation %	MD	8.0	9.0	9.5	12.0	10.5	11.0	10.5	10.0	
	CD	8.5	9.5	10.0	13.0	11.0	11.5	11.0	10.0	
Elmendorf Tear N	MD	1.5	2.5	3.0	5.5	8.5	11.5	N/A	N/A	GB/T455-2002
	CD	3.5	5.0	6.0	7.0	12.5	14.5	N/A	N/A	
Dielectric Strength	V/mil	275	275	300	375	300	325	325	325	GB/T1408.1-2006
	kV/mm	11	11	12	15	12	13	13	13	
Dielectric Constant ¹⁾	50Hz	1.7	2.1	2.1	2.1	2.3	2.5	1.7	2.1	GB/T1409-2006
Dissipation Factor ²⁾	50Hz ×10 ⁻³	6	7	6	6	6	9	6	7	

MD=Machine Direction; CD=Cross Direction

* 1) Frequency 50Hz, rapid rise ; 2)Using 50-mm electrodes, frequency 50Hz。

NOTE : The properties in this technical data sheet are typical values and should not be used as specification limits. Unless otherwise noted, all properties were measured in air under “standard” conditions (in equilibrium at 23°C, 50% relative humidity).This information may be subject to revision as new knowledge and experience become available.