

Typical Properties

metastar® YT564

Nominal Thickness	mil	1.5	2	3	5	Test Method
	mm	0.04	0.05	0.08	0.13	
Typical Thickness	mil	1.6	2.1	3.2	5.2	GB/T451.3-2002
	mm	0.04	0.05	0.08	0.13	
Basis Weight	g/m ²	29	38	63	116	GB/T451.2-2002
Density	g/cc	0.67	0.72	0.79	0.89	
Tensile Strength N/cm	MD	22	32	60	125	GB/T12914-2008
	CD	8	14	25	50	
Elongation %	MD	4.5	5.5	7.0	8.5	
	CD	5.0	6.0	8.0	10.0	
Elmendorf Tear N	MD	0.5	0.7	1.2	1.7	GB/T455-2002
	CD	0.7	1.1	2.0	2.8	
Dielectric Strength	V/mil	275	300	300	300	GB/T1408.1-2006
	kV/mm	11	12	12	12	
Dielectric Constant ¹⁾	50Hz	1.4	1.5	1.5	2.1	GB/T1409-2006
Dissipation Factor ²⁾	50Hz ×10 ⁻³	4	4	5	6	
Shrinkage at 300°C %	MD	4.4	4.4	4.0	3.5	IEC60819-2:2002
	CD	3.5	3.3	3.2	3.0	

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.