

Typical Properties

Property	Unit	Test Method	FS-1400	FS-1450	Remarks
Grass Transition Temperature		JIS K 7121	216	227	
Thermal Conductivity	W/m/K	-	0.22	0.22	
Coefficient of Linear Thermal Expansion	-1	-	5.6×10^{-5}	5.5×10^{-5}	
Specific Heat	J/g/	JIS K 7123	1.48	1.49	
Specific Gravity	-	JIS K 7112	1.27	1.27	
Tensile Strength	MPa	JIS K 7127	114/113	114/113	MD/TD
Elongation	%	JIS K 7127	104/98	99/99	MD/TD
Tensile Modulus	MPa	JIS K 7127	2410/2429	2256/2236	MD/TD
Flexural Modulus	MPa	JIS K 7106	2295/2310	2263/2281	MD/TD
Tear Strength	N/mm	JIS K 7128	250/280	249/231	MD/TD
Transparency	%	JIS K 7105	87.8	85.1	
Haze	%	JIS K 7105	0.11	78.5	
Refractive Index	-	JIS K 7105	1.63	1.63	
Water Absorption	%	-	1.00	0.95	
Water Vapour	g/m ² /24h	JIS K 7129	23.7	23.5	
Dielectric Strength	KV/mm	JIS K 6911	80/69	81/68	ST/SS
Surface Resistivity		JIS K 6911	0.9×10^{15}	1.0×10^{15}	
Volume Resistivity	•cm	JIS K 6911	4.1×10^{16}	4.0×10^{16}	
Dielectric Constant	-	JIS K 6911	3.24	3.16	1kHz
			3.21	3.05	1MHz
			3.05	3.04	1GHz
Dissipation Factor	-	JIS K 6911	1.7×10^{-3}	1.9×10^{-3}	1kHz
			8.1×10^{-3}	7.8×10^{-3}	1MHz
			4.0×10^{-3}	4.5×10^{-3}	1GHz

NOTE The above information is based upon the results of our testing and study. It can not be assumed that these date over all uses, applications or conditions in connection with this film. Accordingly, SUMITOMO BAKELITE makes no warranty, express or implied that the product conforms to these date. All measured values are for 100um-thickness films

Product Specification

Thickness :50um - 400um Width :600mm - 670mm

Please consult us for products with other thickness



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