

Typical Properties

Property	Unit	Test Method	FS-1300	Remarks
Grass Transition Temperature		JIS K 7121	223	
Thermal Conductivity	W/m/K	-	0.18	
Coefficient of Linear Thermal Expansion	-1	-	5.6×10^{-5}	
Specific Heat	J/g/	JIS K 7123	1.38	
Specific Gravity	-	JIS K 7112	1.37	
Tensile Strength	MPa	JIS K 7127	83/85	MD/TD
Elongation	%	JIS K 7127	57/116	MD/TD
Tensile Modulus	MPa	JIS K 7127	2034/2007	MD/TD
Flexural Modulus	MPa	JIS K 7106	1866/1888	MD/TD
Tear Strength	N/mm	JIS K 7128	196/225	MD/TD
Transparency	%	JIS K 7105	89.0	
Haze	%	JIS K 7105	0.04	
Refractive Index	-	JIS K 7105	1.65	
Water Absorption	%	-	1.40	
Water Vapour	g/m ² /24h	JIS K 7129	124.0	
Dielectric Strength	KV/mm	JIS K 6911	106/65	ST/SS
Surface Resistivity		JIS K 6911	3.4×10^{15}	
Volume Resistivity	•cm	JIS K 6911	1.4×10^{16}	
Dielectric Constant	-	JIS K 6911	3.96	1kHz
			3.87	1MHz
			3.43	1GHz
Dissipation Factor	-	JIS K 6911	3.6×10^{-3}	1kHz
			17.0×10^{-3}	1MHz
			10.3×10^{-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

Please consult us for products with other thickness.