

FUDOWLITE® F5770F

Phenolic

Fudow Co., Ltd.

Message:

Examples of application

Automobile parts (Electrical components etc.)

Heat-resistant, flame-resistant electrical parts

Relays

Microswitches

Light electrical bobbins

Measuring equipment parts

Sealed devices

Other properties

Tracking resistance

General Information	
UL YellowCard	E46770-237179
Features	Good Heat Resistance
	Track Resistance
	Flame retardancy
Uses	Electrical components
	Switch
	Automotive Electronics
	Application in Automobile Field

Physical	Nominal Value	Unit	Test Method
Density	1.76 - 1.80	g/cm ³	JIS K7112
Apparent Density	2.50	g/cm ³	
Molding Shrinkage	0.35 - 0.55	%	JIS K6911
Water Absorption (23°C, 24 hr)	0.020 - 0.060	%	JIS K6911
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	109		JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	88.0 - 108	MPa	JIS K6911
Flexural Modulus	15700 - 17700	MPa	JIS K7171
Flexural Stress	235 - 265	MPa	JIS K7171
Compressive Stress	255 - 275	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.4 - 6.9	kJ/m ²	JIS K7111
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	2.5E-5	cm/cm/°C	
Heat Deflection Temperature	> 270	°C	JIS K7191-1

Insulation Resistance			JIS K6911
after boiling	1.0E+10 - 1.0E+11	ohms	JIS K6911
at ordinary state	1.0E+11 - 1.0E+12	ohms	JIS K6911
Free Ammonia			JIS K7230
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	11 - 13	kV/mm	JIS K6911
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.50 mm	V-0		UL 94
1.5 mm	5VA		UL 94

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