

FUDOWLITE® F5980F

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

Arc resistance

Tracking resistance

General Information	
UL YellowCard	E46770-237187
Features	Good Heat Resistance
	Anti-arc
	Track Resistance
	Flame retardancy
Uses	Electrical components
	Switch
	Automotive Electronics
	Application in Automobile Field
	spool

Physical	Nominal Value	Unit	Test Method
Density	1.73	g/cm ³	JIS K7112
Molding Shrinkage	0.40 - 0.60	%	JIS K6911
Water Absorption (23°C, 24 hr)	0.10 - 0.15	%	JIS K6911
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	108		JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	59.0 - 78.0	MPa	JIS K6911
Flexural Modulus	10800 - 12700	MPa	JIS K7171
Flexural Stress	109 - 127	MPa	JIS K7171
Compressive Stress	176 - 196	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	2.9 - 4.4	kJ/m ²	JIS K7111
Thermal	Nominal Value	Unit	Test Method

CLTE - Flow	2.6E-5	cm/cm/°C	
Heat Deflection Temperature	200 - 210	°C	JIS K7191-1
Insulation Resistance			JIS K6911
after boiling	1.0E+9 - 1.0E+10	ohms	JIS K6911
at ordinary state	1.0E+10 - 1.0E+11	ohms	JIS K6911
Free Ammonia		%	JIS K7230
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	10 - 11	kV/mm	JIS K6911
Arc Resistance	183	sec	
Comparative Tracking Index	180	V	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.51 mm)	V-0		UL 94

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