

FUDOWLITE® F900

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

General Information	
UL YellowCard	E46770-237193
Features	Good Heat Resistance
	Flame retardancy
Uses	Electrical components
	Switch
	Automotive Electronics
	Application in Automobile Field
	spool

Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	JIS K7112
Apparent Density	2.30	g/cm ³	
Molding Shrinkage	0.80 - 1.2	%	JIS K6911
Water Absorption (23°C, 24 hr)	0.30 - 0.50	%	JIS K6911
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	108		JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	69.0 - 88.0	MPa	JIS K6911
Flexural Modulus	5880 - 6860	MPa	JIS K7171
Flexural Stress	108 - 137	MPa	JIS K7171
Compressive Stress	216 - 235	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.4 - 5.9	kJ/m ²	JIS K7111
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	3.5E-5	cm/cm/°C	
Heat Deflection Temperature	175 - 185	°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	8.0 - 12	kV/mm	JIS K6911
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.9 mm)	V-1		UL 94

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