

FUDOWLITE® F5800F

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
- Conform to the Food Hygiene Law
- Arc resistance
- Tracking resistance
- Conform to CSA

General Information			
UL YellowCard	E46770-237182		
Features	Good Heat Resistance		
	Anti-arc		
	Track Resistance		
	Compliance of Food Exposure		
	Flame retardancy		
Uses	Electrical components		
	Switch		
	Automotive Electronics		
	Application in Automobile Field		
	spool		
Agency Ratings	CSA not rated		
Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm ³	JIS K7112
Molding Shrinkage	0.90 - 1.1	%	JIS K6911
Water Absorption (23°C, 24 hr)	0.10 - 0.25	%	JIS K6911
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	105		JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	64.0 - 83.0	MPa	JIS K6911
Flexural Modulus	6860 - 7840	MPa	JIS K7171
Flexural Stress	108 - 127	MPa	JIS K7171
Compressive Stress	206 - 226	MPa	JIS K6911

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.4 - 4.4	kJ/m ²	JIS K7111
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	3.5E-5	cm/cm/°C	
Heat Deflection Temperature	200 - 210	°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	10 - 12	kV/mm	JIS K6911
Arc Resistance	185	sec	
Comparative Tracking Index	200	V	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.46 mm)	V-0		UL 94

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