

FUDOWLITE® F5910F

Phenolic

Fudow Co., Ltd.

Message:

Examples of application

Automobile parts (Electrical components etc.)

Heat-resistant, flame-resistant electrical parts

Other properties

Tracking resistance

Conform to CSA

General Information			
UL YellowCard	E46770-237185		
Features	Good Heat Resistance		
	Track Resistance		
	Flame retardancy		
Uses	Electrical components		
	Automotive Electronics		
	Application in Automobile Field		
Agency Ratings	CSA not rated		
Physical	Nominal Value	Unit	Test Method
Density	1.40 - 1.45	g/cm ³	JIS K7112
Molding Shrinkage	0.90 - 1.1	%	JIS K6911
Water Absorption (23°C, 24 hr)	0.15 - 0.20	%	JIS K6911
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	105		JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	59.0 - 78.0	MPa	JIS K6911
Flexural Modulus	5880 - 7840	MPa	JIS K7171
Flexural Stress	98.0 - 118	MPa	JIS K7171
Compressive Stress	196 - 216	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	2.9 - 3.9	kJ/m ²	JIS K7111
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	180 - 190	°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 (0.50 mm)	V-0		UL 94

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