

FUDOWLITE® F5626F

Phenolic

Fudow Co., Ltd.

Message:

Examples of application

Automobile parts (Electrical components etc.)

Heat-resistant, flame-resistant electrical parts

Other properties

Tracking resistance

General Information			
UL YellowCard	E46770-237172		
Features	Good Heat Resistance		
	Track Resistance		
	Flame retardancy		
Uses	Electrical components		
	Automotive Electronics		
	Application in Automobile Field		
Physical	Nominal Value	Unit	Test Method
Density	1.78 - 1.83	g/cm ³	JIS K7112
Molding Shrinkage	0.30 - 0.50	%	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	78.0 - 98.0	MPa	JIS K6911
Flexural Modulus	13700 - 15700	MPa	JIS K7171
Flexural Stress	190 - 220	MPa	JIS K7171
Compressive Stress	206 - 226	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.9 - 5.9	kJ/m ²	JIS K7111
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	2.2E-5	cm/cm/°C	
Heat Deflection Temperature	220 - 230	°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	9.0 - 11	kV/mm	JIS K6911
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.79 mm)	V-0		UL 94

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