

FUDOWLITE® F5760F

Phenolic

Fudow Co., Ltd.

Message:

Examples of application

Automobile parts (Electrical components etc.)

Heat-resistant, flame-resistant electrical parts

Other properties

Arc resistance

Tracking resistance

General Information	
UL YellowCard	E46770-237178
Features	Good Heat Resistance
	Anti-arc
	Track Resistance
	Flame retardancy
Uses	Electrical components
	Automotive Electronics
	Application in Automobile Field

Physical	Nominal Value	Unit	Test Method
Density	1.76 - 1.80	g/cm ³	JIS K7112
Molding Shrinkage	0.40 - 0.60	%	JIS K6911
Water Absorption (23°C, 24 hr)	0.050 - 0.10	%	JIS K6911
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	112		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	167 - 196	MPa	JIS K7171
Compressive Stress	235 - 255	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
Heat Deflection Temperature	245 - 255	°C	JIS K7191-1
Insulation Resistance			JIS K6911
after boiling	1.0E+10 - 1.0E+11	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 - 12	kV/mm	JIS K6911
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.100 mm)	V-0		UL 94

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