

# FUDOWLITE® F5750F

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	1.78	g/cm <sup>3</sup>	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	12700 - 14700	MPa	JIS K7171
Flexural Stress	147 - 167	MPa	JIS K7171
Compressive Stress	216 - 235	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.9 - 4.9	kJ/m <sup>2</sup>	JIS K7111
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	240 - 250	°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
Arc Resistance	198	sec	
Comparative Tracking Index	200	V	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.50 mm)	V-0		UL 94

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