

FUDOWLITE® F5650F

Phenolic

Fudow Co., Ltd.

Message:

Examples of application

Automobile parts (Electrical components etc.)

Heat-resistant, flame-resistant electrical parts

General Information			
UL YellowCard	E46770-237174		
Features	Good Heat Resistance		
	Flame retardancy		
Uses	Electrical components		
	Automotive Electronics		
	Application in Automobile Field		
Physical	Nominal Value	Unit	Test Method
Density	1.85 - 1.92	g/cm ³	JIS K7112
Molding Shrinkage	0.30 - 0.50	%	JIS K6911
Water Absorption (23°C, 24 hr)	0.040 - 0.080	%	JIS K6911
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	100 - 110		JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	69.0 - 88.0	MPa	JIS K6911
Flexural Modulus	14700 - 17600	MPa	JIS K7171
Flexural Stress	176 - 206	MPa	JIS K7171
Compressive Stress	186 - 206	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.9 - 6.9	kJ/m ²	JIS K7111
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	200	°C	JIS K7191-1
Insulation Resistance			JIS K6911
	after boiling	1.0E+10 - 1.0E+11	ohms
	at ordinary state	1.0E+10 - 1.0E+11	ohms
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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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

