

FUDOWLITE® F5637

Phenolic

Fudow Co., Ltd.

Message:

Examples of application

Automobile parts (Electrical components etc.)

Heat-resistant, flame-resistant electrical parts

General Information			
Features	Good Heat Resistance		
	Flame retardancy		
Uses	Electrical components		
	Automotive Electronics		
	Application in Automobile Field		
Physical	Nominal Value	Unit	Test Method
Density	1.95 - 1.99	g/cm ³	JIS K7112
Molding Shrinkage	0.10 - 0.15	%	JIS K6911
Water Absorption (23°C, 24 hr)	0.10 - 0.15	%	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	15700 - 17700	MPa	JIS K7171
Flexural Stress	108 - 127	MPa	JIS K7171
Compressive Stress	167 - 196	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	14 - 17	kJ/m ²	JIS K7111
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	> 280	°C	JIS K7191-1
Insulation Resistance			JIS K6911
after boiling	1.0E+8 - 1.0E+9	ohms	JIS K6911
at ordinary state	1.0E+8 - 1.0E+9	ohms	JIS K6911
Free Ammonia		%	JIS K7230
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	4.0 - 6.0	kV/mm	JIS K6911

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