

FUDOWLITE® FC3450

Phenolic

Fudow Co., Ltd.

Message:

Examples of application

High-strength mechanical parts

Heavy electrical equipment parts

Automobile equipment parts

Electrical equipment structural parts

Weaving equipment parts

Ship components

Sealed equipment parts

Other properties

Conform to the Food Hygiene Law

General Information			
Features	High strength		
	Compliance of Food Exposure		
Uses	Electrical/Electronic Applications		
	Electrical components		
	Application in Automobile Field		
Physical	Nominal Value	Unit	Test Method
Density	1.33 - 1.37	g/cm ³	JIS K7112
Apparent Density	4.50	g/cm ³	
Molding Shrinkage	0.80 - 1.1	%	JIS K6911
Water Absorption (23°C, 24 hr)	0.30 - 0.40	%	JIS K6911
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	105		JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	49.0 - 69.0	MPa	JIS K6911
Flexural Modulus	6370 - 7350	MPa	JIS K7171
Flexural Stress	59.0 - 78.0	MPa	JIS K7171
Compressive Stress	186 - 206	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	6.0E-5	cm/cm/°C	
Heat Deflection Temperature	150 - 160	°C	JIS K7191-1
Insulation Resistance			JIS K6911
after boiling	1.0E+8 - 1.0E+9	ohms	JIS K6911
at ordinary state	1.0E+10 - 1.0E+11	ohms	JIS K6911

Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	10 - 12	kV/mm	JIS K6911

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