

FUDOWPREMIX® FP55

Thermoset Polyester

Fudow Co., Ltd.

Message:

Examples of application

Sealant materials (coils, relays, resistors)

Other properties:

Encapsulating molding of low pressure

General Information			
Filler / Reinforcement	Glass fiber with embossing		
Uses	Sealant		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	2.06 - 2.10	g/cm ³	JIS K6911
Molding Shrinkage	0.50 - 0.90	%	JIS K6911
Water Absorption (23°C, 24 hr)	0.050 - 0.070	%	JIS K6911
Water absorption rate-boiling	0.10 - 0.20	%	JIS K6911
Heat Deflection Temperature	260 - 280	°C	JIS K6911
Insulation Resistance			JIS K6911
after boiling	1.0E+13 - 1.0E+14	ohms	JIS K6911
at ordinary state	1.0E+14 - 1.0E+15	ohms	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	50.0 - 70.0	MPa	JIS K6911
Flexural Modulus	14000 - 16000	MPa	JIS K6911
Flexural Stress	110 - 130	MPa	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.0 - 5.0	kJ/m ²	JIS K6911
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	10 - 12	kV/mm	JIS K6911
Dielectric Constant (1 MHz)	6.00 - 7.00		JIS K6911
Dissipation Factor (1 MHz)	0.090 - 0.15		JIS K6911
Arc Resistance	> 180	sec	JIS K6911
Comparative Tracking Index	> 600	V	IEC 60112

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