

Dapol® D500

Diallyl Phthalate

Fudow Co., Ltd.

Message:

Examples of applications

Governors

Plug caps

Connectors

Coil bobbins

Terminal strips

Automobiles

Railways/Aircraft

Ship components

General Information			
UL YellowCard	E46770-237150		
Uses	Electrical/Electronic Applications Electrical components Aircraft applications Connector Application in Automobile Field		
Processing Method	Resin transfer molding Compression molding Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.60 - 1.70	g/cm ³	JIS K6911
Molding Shrinkage			JIS K6911
-- ¹	0.50 - 0.80	%	JIS K6911
-- ²	0.40 - 0.70	%	JIS K6911
Water absorption rate-boiling	0.15 - 0.25	%	JIS K6911
Heat Deflection Temperature	170 - 180	°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
surface	1.0E+8 - 1.0E+10	ohms	JIS K6911
volume	1.0E+9 - 1.0E+10	ohms	JIS K6911
Heat Shrinkage	0.050 - 0.10	%	JIS K6918
Mechanical	Nominal Value	Unit	Test Method
Flexural Stress			JIS K6911
Molding	69.0 - 98.0	MPa	JIS K6911
Injection Molding	98.0 - 147	MPa	JIS K6911

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			JIS K6911
Molding	2.9 - 4.9	kJ/m ²	JIS K6911
Injection Molding	3.4 - 5.4	kJ/m ²	JIS K6911
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	12 - 16	kV/mm	JIS K6911
Dielectric Constant			JIS K6911
-- ³	4.40 - 4.70		JIS K6911
--	4.40 - 4.60		JIS K6911
Dissipation Factor			JIS K6911
--	0.012 - 0.015		JIS K6911
-- ⁴	0.012 - 0.017		JIS K6911
Arc Resistance	> 120	sec	JIS K6911
Comparative Tracking Index	> 600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.0 mm)	HB		UL 94
NOTE			
1.	Injection Molding		
2.	Compression Molding		
3.	after immersion in water		
4.	after immersion in water		

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