

# Dapol® D2500F

Diallyl Phthalate

Fudow Co., Ltd.

## Message:

Examples of application

Commutators

Knobs

Push buttons

| General Information            |                                    |                   |             |
|--------------------------------|------------------------------------|-------------------|-------------|
| UL YellowCard                  | E46770-237149                      |                   |             |
| Uses                           | Electrical/Electronic Applications |                   |             |
|                                | Electrical components              |                   |             |
|                                | Buttons                            |                   |             |
|                                | Knob                               |                   |             |
| Processing Method              | Resin transfer molding             |                   |             |
|                                | Compression molding                |                   |             |
|                                | Injection molding                  |                   |             |
| Physical                       | Nominal Value                      | Unit              | Test Method |
| Density                        | 1.80 - 1.90                        | g/cm <sup>3</sup> | JIS K6911   |
| Molding Shrinkage              |                                    |                   | JIS K6911   |
| -- <sup>1</sup>                | 0.60 - 0.80                        | %                 | JIS K6911   |
| -- <sup>2</sup>                | 0.40 - 0.60                        | %                 | JIS K6911   |
| Water absorption rate-boiling  | 0.10 - 0.20                        | %                 | JIS K6911   |
| Heat Deflection Temperature    | 160 - 180                          | °C                | JIS K6911   |
| Insulation Resistance          |                                    |                   | JIS K6911   |
| after boiling                  | 1.0E+13 - 1.0E+15                  | ohms              | JIS K6911   |
| at ordinary state              | 1.0E+14 - 1.0E+15                  | 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              | 78.0 - 137                         | MPa               | JIS K6911   |
| Impact                         | Nominal Value                      | Unit              | Test Method |
| Charpy Notched Impact Strength |                                    |                   | JIS K6911   |
| Molding                        | 2.9 - 4.9                          | kJ/m <sup>2</sup> | JIS K6911   |
| Injection Molding              | 3.4 - 5.4                          | kJ/m <sup>2</sup> | JIS K6911   |
| Electrical                     | Nominal Value                      | Unit              | Test Method |
| Dielectric Strength            | 12 - 16                            | kV/mm             | JIS K6911   |

|                            |                     |      |             |
|----------------------------|---------------------|------|-------------|
| Dielectric Constant        | 4.30 - 4.60         |      | JIS K6911   |
| Dissipation Factor         | 0.010 - 0.015       |      | JIS K6911   |
| Arc Resistance             | > 130               | sec  | JIS K6911   |
| Comparative Tracking Index | > 600               | V    | IEC 60112   |
| Flammability               | Nominal Value       | Unit | Test Method |
| Flame Rating (1.0 mm)      | V-0                 |      | UL 94       |
| NOTE                       |                     |      |             |
| 1.                         | Injection Molding   |      |             |
| 2.                         | Compression Molding |      |             |

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