

# Technical Datasheet

PSR 4000 F5  
/CA-40 H12

## 6. End properties

Test Item	Test Condition	Results
Adhesion	Crosscut tape-peel test - Taiyo's internal test method	100/100
Pencil hardness	No scratch on the copper foil surface - Taiyo's internal test method	2H
Solder resistance	Rosin flux, 260°C, 10 sec., 3 cycles, Solder float	Pass
Solvent resistance	Tape-peel test after immersion in PGM-AC, 20 °C, 20 min.	Pass
Chemical resistance (Acid)	Tape-peel test after immersion in 10 vol % H <sub>2</sub> SO <sub>4</sub> , 20 °C, 20 min.	Pass
Chemical resistance (Alkaline)	Tape-peel test after immersion in 10 wt % NaOH, 20 °C, 20 min.	Pass
Insulation resistance	IPC comb type (B pattern) Condition: 25-65°C cycle 90%RH DC100V for 7 days Measurement: DC500V 1 min. value at RT	Initial: 2.4 x 10 <sup>14</sup> Ω Conditioned: 9.1 x 10 <sup>12</sup> Ω
Dielectric constant	-Taiyo's internal test method :value at 1 MHz Humidification: 25-65°C cycle 90%RH for 7 days Measurement: After the above treatment, measured at room temperature	Initial: 3.9 Conditioned: 4.3
Dissipation factor	-Taiyo's internal test method :value at 1 MHz Humidification: 25-65°C cycle 90%RH for 7 days Measurement: After the above treatment, measured at room temperature	Initial: 0.025 Conditioned: 0.038

### Remarks:

- All test data shown above in this technical data sheet are based on our laboratory test result and only for reference, not to guarantee the same in your process.
- All chemicals used in this product might have unknown toxicity. Please handle with your most care referring to the MSDS for use.