Features

- A liquid crystal polymer (LCP) is used for base materials and cover materials.
- Offers a long-term heat resisting property of 230°C.
- An oil resisting property is provided for engine oil, a brake pedal, and ATF.

Unit:µm

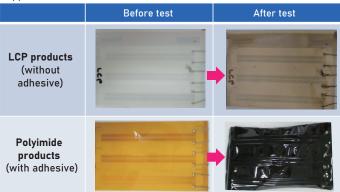


Can be used for the electric wiring in an engine room or gasoline tank meter!

Long-term high-temperature shelf test

Leave a specimen as it is in a high-temperature bath of 230°C for 240 hours and check the appearance and insulation resistance value before and after a test.

[Appearance check]



[Measurement of insulation resistance value (n = 3)] (Standard value: $5.0 \times 108 \ \Omega$ or more)

No.	Before test	After test
1	1.1×10 ¹¹ Ω	6.5×10 ¹¹ Ω
2	1.0×10 ¹¹ Ω	7.2×10 ¹¹ Ω
3	1.0×10 ¹¹ Ω	6.5×10 ¹¹ Ω
4	1.1×10 ¹¹ Ω	6.7×10 ¹¹ Ω

Oil resistance test

Immerse and leave a specimen as it is in each heat medium of 150°C for 50 hours and check the conductor peel strength, insulation resistance value, and appearance.

[Appearance check]

Heat medium	After test	Result
Engine oil		No blistering and peeling
Brake oil		No blistering and peeling
ATF		No blistering and peeling

[Conductor peel strength (Mean value of n = 3)] Standard value: 0.49 N/mm or more (See JIS C 5017.)

Heat medium	Peel strength (N/mm)	
Engine oil	0.567	
Brake oil	0.993	
ATF	0.797	

[Measurement of conduction resistance value (Mean value of n = 3)]

Heat medium	Before test (Ω)	After test (Ω)	Change rate (Ω)
Engine oil	0.794	0.794	0.0%
Brake oil	0.766	0.785	2.4%
ATF	0.794	0.796	0.2%

