

防湿絶縁コート剤 Z-519T シリーズ AICAITRON

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About AICAITRON Z-519T series

用途

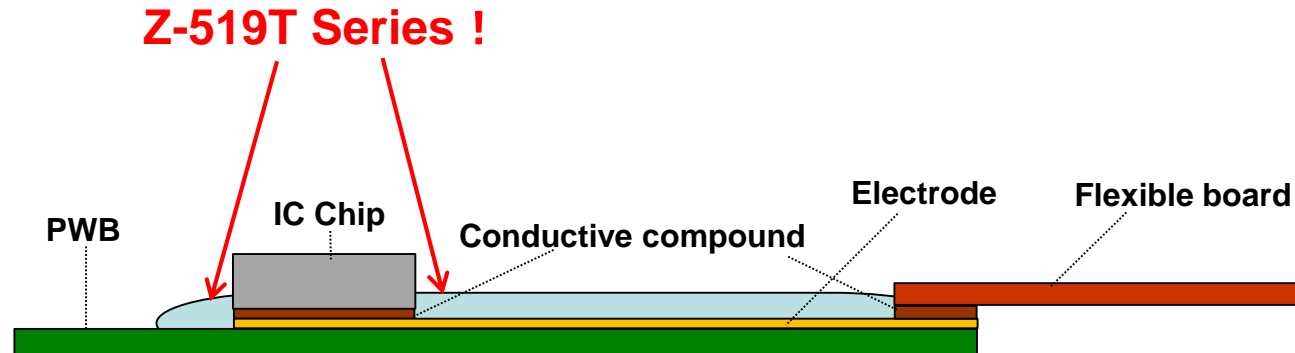
LCDの電極、FPDとFPCの接続部の保護

Application

Protect the LCD, FPD and FPC

特長 Feature

- ・UV硬化 UV Curable
- ・無溶剤 Non-solvent
- ・低粘度 Low viscosity
- ・低透湿 Low WVTR
- ・低イオン性不純物 Low ionic substance



Z-519T シリーズ 物性表一覧 ~ヤング率別~

Speciality and Performance Materials Company, AICA KOGYO CO.,LTD

項目	Z-519T41-2	Z-519T38-1	Z-519T38-9	試験方法
樹脂	アクリル樹脂	アクリル樹脂	アクリル樹脂	—
外観	淡黄色透明液体	淡黄色透明液体	淡黄色透明液体	目視
硬化方法	UV 硬化タイプ	UV 硬化タイプ	UV 硬化タイプ	—
硬化条件	LED-UV (365nm) 2,000mJ/cm ² 1,000mW/cm ²	2,000mJ/cm ² 400mW/cm ²	2,000mJ/cm ² 1,000mW/cm ²	LED-UV 365nm
粘度(25°C)	2,000 mPa	1100 mPa·s	800 mPa	E型粘度計
液比重	1.0	1.0	1.0	JIS-K-6833
硬度	A50	A92	A82	デュロメーター
硬化収縮率	4.4 %	5.8 %	4.1 %	Vol/vol
体積低効率	>1.0 × 10 ¹⁴ Ω·cm	>1.0 × 10 ¹⁴ Ω·cm	>1.0 × 10 ¹⁴ Ω·cm	1000V
Tg	—	53°C	58°C	DMA Tan Δ Peek
貯蔵弾性率	—	500 MPa	635 MPa	DMA at 23°C
ヤング率	48 MPa	283 MPa	482 MPa	8号ダンベル(T38-8) ASTM D638 Type V(T38-6,9,7), 150umt, C.H.S.: 5mm/sec. (300mm/min.)
破断強度	13.2 MPa	10.8 MPa	21.3 MPa	
伸び	200 %	260 %	137 %	
吸水率	0.1 %	0.1 %	0.1 %	23°C24h
透湿度	53 g/m ² ·24h	67 g/m ² ·24h	51 g/m ² ·24h	50°C95% 24h, 0.1mmt
180°ピール	18 N/cm	24 N/cm	27 N/cm	50 μ mPET/Glass,180° peel C.H.S.:60mm/min

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Z-519T シリーズ 物性表一覧 ～粘度別～

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項目	Z-519T15	Z-519T38-4	試験方法
樹脂	アクリル樹脂	アクリル樹脂	—
外観	淡黄色透明液体	淡黄色透明液体	目視
硬化方法	UV 硬化タイプ	UV 硬化タイプ	—
硬化条件	LED-UV (365nm) 1,000mJ/cm ² 400mW/cm ²	LED-UV (365nm) 2,000mJ/cm ² 400mW/cm ²	—
粘度(25°C)	219 mPa·s	4700 mPa	E型粘度計
液比重	1.0	1.0	JIS-K-6833
硬度*	A41	A45	デュロメーター
硬化収縮率*	5.9 %	4.8 %	Vol/vol
体積低効率*	>1.0 × 10 ¹⁴ Ω·cm	>1.0 × 10 ¹⁴ Ω·cm	1000V
ヤング率*	34 MPa	400 MPa	8号ダンベル 1mmt, C.H.S.: 10mm/min.
破断強度*	6.5 MPa	20 MPa	
伸び*	187 %	280 %	
吸水率*	0.2 %	0.1 %	23°C24h
透湿度*	13 g/m ² ·24h	52 g/m ² ·24h	40°C90% 24h, 1mmt
180°ピール*	12 N/cm	9.1 N/cm	50 μmPET/Glass,180° peel C.H.S.:300mm/min

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Z-519T シリーズ 物性表一覧 ～低コストタイプ～

Speciality and Performance Materials Company, AICA KOGYO CO.,LTD

項目	Z-519T43-2	試験方法
樹脂	アクリル樹脂	—
外観	淡黄色透明液体	目視
硬化方法	UV 硬化タイプ	LED-UV硬化可能
硬化条件 一例	2,000mJ/cm ² 400mW/cm ²	LED-UV 365nm, 100umt
粘度(25°C)	600 mPa·s	E型粘度計
液比重	0.9	JIS-K-6833
硬度	A75	デュロメーター
硬化収縮率	7.5 %*	Vol/vol
体積低効率	>1.0 × 10 ¹⁴ Ω · cm	1000V
Tg	48°C	DMA Tan Δ Peek
貯蔵弾性率	276 MPa	DMA at 25°C
ヤング率	184 MPa	8号ダンベル 1mmt, C.H.S.: 10mm/min.
破断強度	7.0 MPa	
伸び	43 %	
吸水率	0.3 %	23°C24h
透湿度	12 g/m ² ·24h	40°C90% 24h, 1mmt
180°ピール	7.2 N/cm	50 μ mPET/Glass,180° peel C.H.S: 300mm/min

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