

LVF-10 — TWO PART LIQUID VOID FILLER

DATASHEET



PRODUCT OVERVIEW

- A two-part silicone-based liquid with heat conducting filler and binding materials. When the compound is mixed and cured it acts as a thermally conductive void filling material.

FEATURES

- Good Thermal Conductivity
- Excellent Dielectric Performance
- Long Life Span
- Weather Resistance.
- Low Mechanical Stress
- Vibration and Shock Absorbance Properties

APPLICATIONS

- Electronic assemblies, thermistors, temperature sensors, power modules.

PROPERTIES	UNIT	LVF-10	TEST METHOD
Colour	-	Part A: White Part B: Grey	Visual
Thermal Conductivity (±10%)	W/mK	1.0	ASTM D5470
Viscosity (Mixed)	Pa	20-50	ASTM D2196
Breakdown Voltage (1mm)	KV	≥5	ASTM D149
Specific Gravity	g/cm ³	1.88	ASTM 5740
Working Temperature	°C	-40 to 180	EM344
Volume Resistance	Ohm-cm	≥10 ¹²	ASTM D257
Flammability Rating	-	V0	UL 94
Hardness (±5)	Shore 00	50	ASTM D412
Hardness, Thirty second delay (±5)	Shore 00	25	ASTM D412
Surface Drying Time (25°C)	min	20-30	-
Curing Time (25°C)	min	≥50	-
Curing Time (60°C)	min	10-15	-
Curing Time (100°C)	min	5-10	-

NOTES

- Customised shapes are available
- The above performance data is tested in an environment of 70% humidity, temperature 25 °C
- This data is intended for reference purposes only. It is recommended that the material is tested to fully evaluate its performance ensuring it is fit for purpose.

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