



LUXE

TECHNOLOGY FOR LED LIGHTING

CEM3-1.0W40K-LE PROPRIETIES

检测项目 Item	单位 Unit	检测条件 Test Condition	规范值 Spec	典型值 Typical Value
热导率 Thermal Conductivity	W/ m.K	激光法 (ASTM E1461)	≥ 1.0	1.03
玻璃化转变温度T _g	°C	DSC	≥ 120	122
剥离强度 1oz Peel Strength	N/mm	288°C, 10S	≥ 1.05	1.32
热应力 Thermal stress	S	288°C, solder dip	> 10	60s No delamination
弯曲强度 Flexural Strength	N/mm ²	经向LW	≥ 276	326
		纬向CW	≥ 186	235
燃烧性Flammability	—	E 24/125	UL94V-0	V-0
表面电阻 Surface Resistivity	MΩ	After moisture	$\geq 1.0 \times 10^4$	4.62×10^5
体积电阻 Volume Resistivity	MΩ.cm	After moisture	$\geq 1.0 \times 10^5$	3.76×10^5
介电常数 Dielectric Constant	—	C 24/23/50	≤ 5.4	5.2
介质损耗角正切 Loss Tangent	—	C 24/23/50	≤ 0.035	0.019
耐电弧Arc Resistance	S	D48/50+D0.5/23	≥ 60	128
击穿电压 Dielectric Breakdown	KV	D48/50+D0.5/23	≥ 40	60
吸水率 Moisture Absorption	%	D24/23	≥ 0.8	0.45

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