

Pel-Powder®

Product Name	PCE-330
Product Category	Powder Coating for Electronic Components
Use	Film Capacitors
Function	Environmentally Friendly, Low Temperature Adhesiveness, Fast Cure, Heat Cycle Resistant

As supplied

Item	Condition	Unit	Typical
Appearance	Standard Color	—	—
Gel Time	JIS C 2161 150°C	sec	75
Frizontal Plate Flow	90 °C 0.5g 10φ	%	16
Particle Size Distribution	JIS C 2161 150 μm o n	wt %	0
	JIS C 2161 150 μm ~ 75μm	wt %	30
	JIS C 2161 75 μm ~ 45μm	wt %	30
	JIS C 2161 45 μm p a s s	wt %	40
Melting Point	D S C	°C	42

Standard Curing Condition	110°C - 1Hrs
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As cured

Item	Condition	Unit	Typical
Specific Gravity	JIS K 6911	—	1.68
Glass Transition Temperature	T M A	°C	94.3
Coefficient of Thermal Expansion	below T g	/°C	5.5×10^{-5}
Flexural Strength	JIS K 6911	MP a	100.7
Flexural Modulus	JIS K 6911	MP a	7.8×10^3
Volume Resistivity	JIS C 2161	$\Omega \cdot \text{c m}$	7.2×10^{15}
Dielectric Constant	JIS C 2161 1 k H z - 1MHz	-	4.3 - 4.0
Dielectric Loss Tangent	JIS C 2161 1 k H z - 1MHz	%	0.01-0.02
Breakdown Voltage	JIS C 2161	kV/mm	20以上
Water Absorption	JIS K 6911	w t %	0.38
Flame Resistance	UL-94 V-0 0.5mm thickness	-	recognized

The above values are typical and not specification.



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