

Pelcoat[®]

Product Name	CE-55
Product Category	Coating Resin for Hybrid IC
Usage	H I C
Function	One Component Type, Heat Cycle Resistant, Low Thermal Expansion

As supplied

(Typical Value)

Item	Condition	Unit	CE-55
Appearance	visual	–	Black paste
Specific Gravity	25°C	–	1.64
Viscosity	25°C	mPa·s	8,000

Standard Curing Condition 150°C x 30 minutes

As cured

Item	Condition	Unit	Typical Value
Hardness	JIS K-7215 25°C	Shore D	94
Glass Transition Temperature	TMA	°C	140
Coefficient of Thermal Expansion	below Tg	10 ⁻⁵ /°C	0.6
Flexural Strength	JIS K-6911 25°C	MPa	42
Flexural Modulus	JIS K-6911 25°C	MPa	9,800
Volume Resistivity	JIS K 6911 25°C	Ω-cm	10 ¹⁵
Dielectric Constant	JIS K 6911 25°C		3.8
Dielectric Loss Tangent	JIS K 6911 25°C	%	0.4
Inpurity Ion	Crushing of cured goods PCT (121°C, 2atm) for 24hrs water extraction	ppm	Na+ 3
			Cl- 5
Flame Resistance			V-0 recognized

The above values are typical and not specification



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