

Pelcoat®

Product Name	CE-30/XY-1933
Product Category	Coating Resin for Thermistors, Terminal Seal for Thermal Fuse
Usage	Sensors, Relays
Function	Flexible

As supplied

(Typical Value)

Item	Condition	Unit	CE-30	XY-1933
Appearance	visual	–	Milky white, black, green	Grayish white
Specific Gravity	25°C	–	1.52	1.69
Viscosity	25°C	mPa·s	200,000	12,000
Mixing Ratio	parts by weight		100/100	
Mixed Viscosity	25°C	mPa·s	26,000	
Gel Time	80°C, 100°C	minute	90 (80°C) , 50 (100°C)	

Standard Curing Condition 80°C x 5 hour or 100°C x 2 hours

As cured

Item	Condition	Unit	Typical Value
Hardness	JIS K-7215 25°C	Shore A	54
Tensile Strength	JIS K 6251	Mpa	1.7
Elongation at break	JIS K 6251	%	95
Volume Resistivity	JIS K 6911 25°C	Ω-cm	2.0 x 10 ¹²
	JIS K 6911 boil for 1hr	Ω-cm	3.0 x 10 ¹⁰
Dielectric Constant	JIS K 6911 25°C 1kHz		7.7
Water Absorption	JIS K 6911 boil for 1hr	wt%	0.6
Glass Transition Temperature	TMA	°C	-12
Coefficient of Thermal Expansion	Tg以下	10 ⁻⁵ /°C	5.3
	Tg以上	10 ⁻⁵ /°C	14

The above values are typical and not specification



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