

## Pel-Powder®

<b>Product Name</b>	<b>PCE-60</b>
<b>Product Category</b>	Powder Coating for Electronic Components
<b>Use</b>	Film Capacitors, PPTC, SSR
<b>Function</b>	Low Temperature Adhesiveness, Low Temperature Curing, Humidity Resistant, Heat Cycle Resistance

### As applied

Item	Condition	Unit	Typical
<b>Appearance</b>	Standard Color	—	BLACK
<b>Gel Time</b>	JIS C 2161 150°C	sec	75
<b>Inclined Plate Flow</b>	150 °C – 60° angle, 2 g – 20φ	mm	20
<b>Particle Size Distribution</b>	JIS C 2161 150 μm o n	wt %	0
	JIS C 2161 150 μm ~ 106μm	wt %	15
	JIS C 2161 106 μm ~ 38μm	wt %	60
	JIS C 2161 38 μm p a s s	wt %	25
<b>Melting Point</b>	D S C	°C	50

<b>Standard Curing Condition</b>	120°C-1Hrs
----------------------------------	------------

### As cured

Item	Condition	Unit	Typical
<b>Hardness</b>	JIS K 5400 Pencil Hardness	H	6
<b>Specific Gravity</b>	JIS K 6911	—	1.65
<b>Heat Distortion Temperature</b>	ASTM D-648	°C	100
<b>Glass Transition Temperature</b>	T M A	°C	100
<b>Coefficient of Thermal Expansion</b>	below T g	/°C	$4.1 \times 10^{-5}$
<b>Flexural Strength</b>	JIS K 6911	MP a	102
<b>Flexural Modulus</b>	JIS K 6911	MP a	$7.3 \times 10^3$
<b>Volume Resistivity</b>	JIS C 2161	$\Omega \cdot \text{c m}$	$4.0 \times 10^{15}$
<b>Dielectric Constant</b>	JIS C 2161 1 k H z - 1MHz	-	4.3 - 4.1
<b>Dielectric Loss Tangent</b>	JIS C 2161 1 k H z - 1MHz	%	0.6 - 2.0
<b>Breakdown Voltage</b>	JIS C 2161	kV/mm	20以上
<b>Water Absorption</b>	JIS K 6911	w t %	0.3
<b>Flame Resistance</b>	UL-94 V-0 0.5mm thickness	-	recognized

The above values are typical and not specification.



## PELOX, LTD

Tokyo Sales Office 3-7-2, Nihonbashi-Honcho, Chuo-ku, Tokyo, 103-0023, Japan  
 TEL : 81-3-5645-3782 FAX : 81-3-5645-3784

R&D Center 8-7, Bodai, Hadano-shi, Kanagawa, 259-1302, Japan  
 TEL : 81-463-86-8001 FAX : 81-463-86-8022