



## **PC-12 A/B 38 SHORE 00 POLYURETHANE ENCAPSULANT**

### **PRODUCT HIGHLIGHTS:**

- Resists moisture absorption and is moisture insensitive during handling
- Non-foaming, odorless
- Does not contain MOCA, MDA, TDI or volatile ingredients
- Non corrosive and compatible with plastic and metallic electrical components
- Easy to use
- Excellent electrical resistance properties
- Cures at room temperature
- Easy re-entry and removal by hand of cured material if necessary
- Also available with a 30 – 40 minute work life as PC-14 A/B

### **PRODUCT DESCRIPTION:**

PC-12 A/B is a low viscosity liquid, two component polyurethane gel system originally designed as a re-enterable encapsulant for telephone splice bundles and other cable enclosures. It features excellent wetting and penetration properties, and is compatible with all cable and splice components. PC-12 A/B is extremely moisture resistant, stable to all environmental conditions, has excellent electrical insulation properties, and is easily re-enterable by hand, or with minimal effort with tools.

### **HANDLING PROPERTIES:**

Mix Ratio:

Part A .....	100 parts by weight or volume
Part B .....	100 parts by weight or volume
Mixed Viscosity (cps) .....	150
Work Life, 100g @ 80°F (27°C) .....	14 minutes
Gel Time .....	18 minutes
Cure Time .....	16 hours, ambient

### **PHYSICAL PROPERTIES:**

Hardness, Shore 00 ASTM D-2240 .....	38
Specific Gravity, (g/cc) cured ASTM D-792 .....	0.93
Cubic Inches per Pound .....	29.5
Shrinkage (by volume) .....	0.2%
Dielectric Constant, 1KHz .....	3.5
Dissipation Factor, 1 KHz .....	0.02
Insulation Resistance, ohm .....	$1 \times 10^{13}$
Water Resistance, % wt change (30 days/75°F water) .....	+ 0.2

**STORAGE:**

Store in a cool dry place. Unopened containers of PC-12 A/B will have a shelf life of 3 months from the date of shipment when properly stored under normal indoor conditions, i.e., 75° ± 15°F (24° ± 10°C). Open containers of material should be purged with dry nitrogen prior to replacing lids or caps to prevent moisture contamination.

**PACKAGING:**

5 Gallon kits .....	35 lbs. A, 35 lbs. B
55 Gallon kits .....	350 lbs. A, 350 lbs. B

**SAFETY PRECAUTIONS:**

Use in a well-ventilated area. Avoid contact with skin using protective gloves and protective clothing. Repeated or prolonged contact on the skin may cause an allergic reaction.

Eye protection is extremely important. Always use approved safety glasses or goggles when handling this product.

**IF CONTACT OCCURS:**

**Skin:** Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Seek qualified medical attention if allergic reactions occur.

**Eyes:** Immediately flush with water for at least 15 minutes. Call a physician.

**Ingestion:** If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

**Refer to the Material Safety Data Sheet before using this product.**