

## PC-12

### 20 SHORE 00 POLYURETHANE GEL



PC-12 A/B is a two component polyurethane gel system originally designed as a slow rebound and vibration dampening material.

- Non-foaming, odorless
- Cures at room temperature
- Slow rebound
- RoHS/REACH compliant
- Easy to use
- Vibration dampening

PHYSICAL PROPERTIES	TEST METHOD	TEST RESULTS
Hardness, Shore 00	ASTM D2240-04e1	20 ± 5
Density (g/cc)	ASTM D792-00	1.017
Cubic Inches per Pound	N/A	27.5
Color/Appearance	Visual	Transparent Pale Yellow
Dielectric Constant (1 kHz)	ASTM D150-87	5.961
Dissipation Factor (1 kHz)	ASTM D150-87	0.013
Water Resistance (% weight change) 30 days @ 77°F (25°C)	—	0.013

HANDLING PROPERTIES	Part A	Part B
Mix Ratio by weight	20	100
Mix Ratio by volume	18	100
Specific Gravity @ 77°F (25°C)	1.13	0.99
Color	Pale Yellow	Pale Yellow
Viscosity (cps) @ 77°F (25°C) Brookfield	1,350	630
Mixed Viscosity (cps) @ 77°F (25°C) Brookfield	1,700	
Work Time, 100g mass @ 77°F (25°C)	10 – 15 minutes	
Gel Time	25 – 30 minutes	
Demold Time @ 77°F (25°C)	16 – 24 hours	

Properties above are typical and not for specifications.

#### **STORAGE:**

Store at ambient temperatures, 65-80°F (18-27°C). Unopened containers will have a shelf life of 6 months from date of shipment when properly stored at recommended temperatures. Purge opened containers with dry nitrogen before re-sealing.

PACKAGING	Part A	Part B	Cubic Inches per Kit
Gallon Kits	1.6 lbs.	8 lbs.	264
5-Gallon Kits	8 lbs.	40 lbs.	1,320
55-Gallon Drum Kits	80 lbs.	400 lbs.	13,200

**SAFETY PRECAUTIONS:**

Use in a well-ventilated area. Avoid contact with skin using protective gloves and protective clothing. Repeat 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. It is *not* recommended to remove resin from skin with solvents. Solvents only increase contact and dry skin. 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.**



Handling Guide



PC-12 Part A SDS



PC-12 Part B SDS