

## PC-3210 Rigid White Urethane

Filter Adhesive for FDA or Oil & Gas Applications

Technical Bulletin

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PC-3210 is a two-component, room-temperature cured, rigid polyurethane adhesive/molding compound designed for FDA and oil & gas filters. PC-3210 is formulated with raw materials that are compliant with 21CFR§176.170, 21CFR§177.1680, &/or 21CFR§177.2600, thereby making the product suitable for dry food contact applications. The product's combination of low viscosity and quick gelling characteristics yields fast turnover time for efficient manufacturing throughput.

### Key Features

- Low Mixed Viscosity with Ample Working Time
- Fast Gel Time Combined with a Low-Stress Cure
- Very Good Hydrolytic and Thermal Stability
- Broad Chemical Resistance with Excellent Resistance to Chlorine and other Harsh Chemicals

### Typical Uncured Properties

Color		
PC-3210 Resin (Polyol Component)		White
PC-3210 Hardener (Isocyanate Component)		Dark Amber
PC-3210 Mixed		White
Viscosity (Brookfield) @ 25°C ± 1°C (77°F ± 2°F); cPs		
PC-3210 Resin		4000
PC-3210 Hardener		200
Density @ 25°C ± 1°C (77°F ± 2°F); Lbs./Gal. (g/cm3)		
PC-3210 Resin		12.15 (1.46)
PC-3210 Hardener		10.30 (1.23)
PC-3210 Mixed		11.49 (1.38)

### Mixing Specifications & Characteristics

Mix Ratio		
Parts by Weight	100 parts Resin	: 46.5 parts Hardener
Parts by Volume	1.82 parts Resin	: 1.0 part Hardener
Processing Time @ 25°C ± 1°C (77°F ± 2°F); min:sec		
Gel Time (100 gram mass; 250 mL beaker)		1:45
Full Cure		7 Days



### Typical Cured Properties

Color	White
Hardness; Shore D	78
Tensile Strength; psi	5165

### Processing Instructions

For good results, automatic mixing and dispensing equipment should be used. Please consult with Polyset technical staff before making final processing decisions.

### Storage Information

Keep away from flames. Material should be used once container is opened. Long term storage of opened material should be under nitrogen. Shelf life of both PC-3210 Resin and PC-3210 Hardener is 6 months @ 25°C (77°F) in unopened containers.

### Safety Information

Avoid direct contact. Use safety goggles or safety glasses with side shields and impervious gloves when handling PC-3210 Resin and PC-3210 Hardener. Refer to product Safety Data Sheets for complete health and safety information.

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