

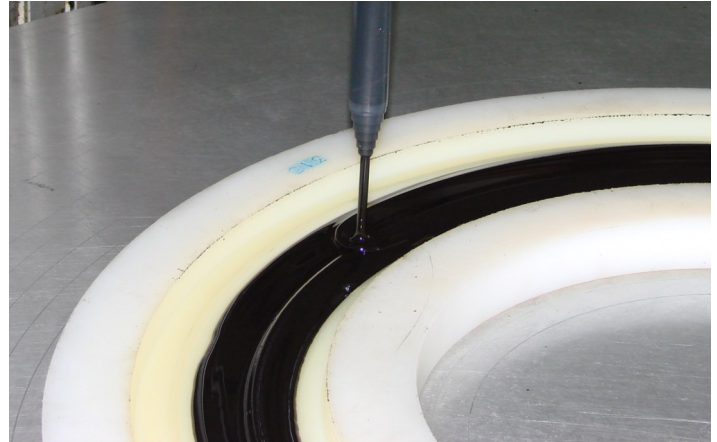
PC-3088 Urethane Filter Adhesive
Black, unfilled system with Shore D 45 hardness

Technical Bulletin
Rev. Date: 6/05/2014

PC-3088 is a two component, unfilled, urethane resin system that produces a tough, highly impact resistant elastoplastic with good high-temperature properties. The system offers a combination of low viscosity and rapid gelation at room temperature, which allows for fast de-mold time and high productivity.

Key Features

- Low Mixed Viscosity
- Convenient Mix Ratio of 2:1, by volume
- Phosphorous-Free and Mercury-Free
- Excellent adhesion to Galvanized Steel, Stainless Steel, and Aluminum
- 100% solids system with no VOC's & low outgassing



Typical Uncured Properties

Color	
PC-3088 Resin (Polyol Component)	Black
PC-3088 Hardener (Isocyanate Component)	Clear
PC-3088 Mixed	Black
Viscosity (Brookfield) @ 25°C ± 1°C (77°F ± 2°F); cPs	
PC-3088 Resin	925
PC-3088 Hardener	450
PC-3088 Initial Mixed	550
Density @ 25°C ± 1°C (77°F ± 2°F); Lbs./Gal. (g/cm ³)	
PC-3088 Resin	8.35 (1.00)
PC-3088 Hardener	10.00 (1.20)
PC-3088 Mixed	8.98 (1.08)

Mixing Specifications & Characteristics

Mix Ratio	
Parts by Weight	100 parts Resin : 61 parts Hardener
Parts by Volume	2.0 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)	2:20
Full Cure	7 Days

Typical Cured Properties

Color	Black
Hardness; Shore D	45
Tensile Strength; psi	2,300
Elongation; %	192
Tear Strength (Die C); lbs./in.	178

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-3088 Resin and PC-3088 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-3088 Resin and PC-3088 Hardener. If skin contact occurs, wash with soap and water. If PC-3088 Resin or PC-3088 Hardener enters the eyes, flush with cool water for at least 15 minutes and call a physician immediately. Refer to product Safety Data Sheets for further information.

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