

## PC-3140 Urethane Filter Adhesive

Shore A 75-80; Off-White in Color

## Technical Bulletin

PC-3140 is a two component, off-white, room temperature cured, filled, tough elastomeric urethane adhesive designed for high efficiency air filters. The system offers a combination of low viscosity and rapid gelation at room temperature, which is advantageous for high productivity.

### Key Features

- Low Viscosity
- Low Outgassing
- Contains Non-Halogenated Flame Retardant
- Flexible, Yet Tough
- Convenient 4:1 Mix Ratio by Volume



### Typical Uncured Properties

Color	
PC-3140 Resin (Polyol)	Off-White
PC-3140 Hardener (Isocyanate)	Dark Amber
PC-3140 Mixed	Off-White/Tan
Viscosity (Brookfield) @ 25°C ± 1°C (77°F ± 2°F); cPs	
PC-3140 Resin	2,500
PC-3140 Hardener	200
PC-3140 Initial Mixed	1,700
Density @ 25°C ± 1°C (77°F ± 2°F); Lbs./Gal. (g/cm <sup>3</sup> )	
PC-3140 Resin	10.39 (1.25)
PC-3140 Hardener	10.30 (1.23)
PC-3140 Mixed	10.37 (1.24)

### Mixing Specifications & Characteristics

Mix Ratio	
Parts by Weight	100 parts Resin : 25 parts Hardener
Parts by Volume	4.0 parts Resin : 1.0 part Hardener
Gel Time @ 25°C ± 1°C (77°F ± 2°F); min:sec	
100 gram Mass	2:45–3:15
25 gram Thin Section	3:05–3:35
Turn-Over Time	7:00–15:00
Initial Cure, Hours	24
Full Cure Cycle, Days	7

### Typical Cured Properties

Color	Off-White
Hardness; Shore A	75–80
Tensile Strength; psi	1250
Elongation; %	85
Tear Strength (Die C); Lbs./in.	50
Weight Loss after 7 days @ 225°F; %	0.25
Maximum Operating Temperature; °F	200–210

### 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-3140 Resin and PC-3140 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-3140 Resin and PC-3140 Hardener. If skin contact occurs, wash with soap and water. If PC-3140 Resin or PC-3140 Hardener enters the eyes, flush with cool water for at least 15 minutes and call a physician immediately. Refer to PC-3140 Resin and PC-3140 Hardener Safety Data Sheets for further information.

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