

PC-3207 Urethane Filter Adhesive

Ideal for Flow-Through Applications; Shore A 75

Technical Bulletin

PC-3207 is a two-component, off-white, filled, room-temperature cured, tough elastomeric urethane adhesive designed for high efficiency air filters. The system offers a combination of low mixed viscosity and medium polymerization speed, which is ideally suited for flow-through applications.

Key Features

- Low Mixed Viscosity
- Low Outgassing
- Utilizes Non-Halogenated Flame Retardants
- Convenient Mix Ratio of 4:1, by Volume



Typical Uncured Properties

Color	
PC-3207 Resin (Polyol)	Off-White
PC-3207 Hardener (Isocyanate)	Brown
PC-3207 Mixed	Off-White/Tan
Viscosity (Brookfield) @ 25°C ± 1°C (77°F ± 2°F); cPs	
PC-3207 Resin	1,300
PC-3207 Hardener	55
PC-3207 Initial Mixed	680
Density @ 25°C ± 1°C (77°F ± 2°F); Lbs./Gal. (g/cm ³)	
PC-3207 Resin	10.40 (1.25)
PC-3207 Hardener	10.25 (1.23)
PC-3207 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	3:55
25 gram Thin Section	4:25
Turn-Over Time	< 10:00
Initial Cure, Hours	24
Full Cure Cycle, Days	7

Typical Cured Properties

Color	Off-White
Hardness; Shore A	70–80
Tensile Strength; psi	607
Elongation; %	154
Tear Strength (Die C); Lbs./in.	55
Weight Loss after 7 days @ 225°F; %	< 0.25
Maximum Operating Temperature; °F	200

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-3207 Resin and PC-3207 Hardener is 6 months when stored in unopened containers at temperatures between 10-30°C (50-86°F).

Safety Information

Avoid direct contact. Use safety goggles or safety glasses with side shields and impervious gloves when handling PC-3207 Resin and PC-3207 Hardener. If skin contact occurs, wash with soap and water. If PC-3207 Resin or PC-3207 Hardener enters the eyes, flush with cool water for at least 15 minutes and call a physician immediately. Refer to PC-3207 Resin and PC-3207 Hardener Safety Data Sheets for further information.

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