

PC-2985 Urethane Filter Sealant

Lt. Amber Elastomer ideal for Rotational Molding

PC-2985 is a two component, room temperature cured, unfilled, tough elastomeric urethane adhesive designed for facemask rotational molding. The combination of low viscosity and unique gelling characteristics of the material at moderate processing temperatures (125°-150°F) yields a fast de-mold time that is ideal for filter manufacturing.

Key Features

- Low Initial Mixed Viscosity with Ample Flow / Working Time, Followed by a Quick Gel Transition
- Excellent Adhesion to Various Substrates
- Good Thermal Stability with Very Low Shrinkage
- Translucent, Light Amber Product Possessing Excellent Toughness

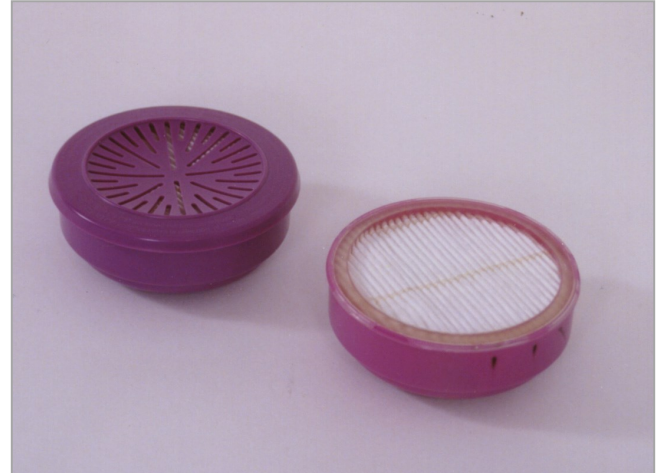
Typical Uncured Properties

Color	
PC-2985 Resin (Polyol Component)	Light Straw
PC-2985 Hardener (Isocyanate Component)	Clear
PC-2985 Mixed	Light Amber
Viscosity (Brookfield) @ 25°C ± 1°C (77°F ± 2°F); cPs	
PC-2985 Resin	600
PC-2985 Hardener	1100
PC-2985 Initial Mixed	1000
Density @ 25°C ± 1°C (77°F ± 2°F); Lbs./Gal. (g/cm ³)	
PC-2985 Resin	8.12 (0.97)
PC-2985 Hardener	10.00 (1.20)
PC-2985 Mixed	8.91 (1.07)

Mixing Specifications & Characteristics

Mix Ratio	
Parts by Weight	1.11 parts Resin : 1.00 part Hardener
Parts by Volume	1.37 parts Resin : 1.00 part Hardener
Processing Times @ 25°C ± 1°C (77°F ± 2°F); min:sec	
Gel Time (211 gram mass; 400 mL beaker)	2:20
Full Cure Cycle	7 Days

Technical Bulletin



Typical Cured Properties

Color	Light Amber
Hardness; Shore A	85
Weight Loss after 7 Days @ 225°F; %	< 0.5
Maximum Operating Temperature; °F (°C)	
Continuous Operation	180° (82.2°)
Intermittent Operation	212° (100°)

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-2985 Resin and PC-2985 Hardener is 6 months @ 25°C (77°F) in unopened containers.

Storage temperatures for PC-2985 Hardener (isocyanate) should be maintained at 18-35°C at all times. Under these storage conditions, the hardener will remain clear for periods of up to six months. If solidification and/or crystallization should occur because of exposure to temperatures below 18°C, please contact Polyset for guidance and recommendations.

Safety Information

Refer to product Safety Data Sheets for further information.

Limited Warranty: Polyset Company Inc. makes no warranty, expressed or implied, including any warranty of merchantability of fitness for a particular purpose. The sole remedy of Purchaser for any claim concerning this product, including, but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the discretion of Polyset Company Inc. Any claims concerning this product shall be submitted in writing within one year of the delivery date of this product to Purchaser and any claims not presented within that period are waived by Purchaser. IN NO EVENT SHALL POLYSET COMPANY INC. BE LIABLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDES LOSS OF PROFITS) OR PUNITIVE DAMAGES. Copyright © 2017 Polyset Company, Inc. All rights reserved. Revised 3/20/2017