

## Aptek 2209-A/B Clear, non-yellowing urethane adhesive

Category : Polymer , Adhesive , Thermoset , Polyurethane, TS , Thermoset Polyurethane, Adhesive

### Material Notes:

APTEK 2209-A/B is a water clear, thixotropic, two component, electrically insulating, urethane adhesive designed for bonding various substrates. APTEK 2209-A/B is effective for bonding plastics and in particular displays excellent adhesion to GE LEXAN (polycarbonate) without cracking or crazing the substrate. Excellent U.V. and weathering resistance for outdoor application. Very good clarity for see-through applications like back-lit signs/displays. Convenient 1:1 PBW or PBV mix ratio for easy handling. Fast set version available upon request. Low viscosity, castable version available upon request. APTEK 220-A is a clear polyol resin. APTEK 2209B is a clear organic isocyanate. Information provided by Aptek Laboratories, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aptek-2209-AB-Clear-non-yellowing-urethane-adhesive.php](http://www.lookpolymers.com/polymer_Aptek-2209-AB-Clear-non-yellowing-urethane-adhesive.php)

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in <sup>3</sup>	A Component; ASTM D1475
	1.14 g/cc	0.0412 lb/in <sup>3</sup>	B Component; ASTM D1475
Viscosity	76000 cP	76000 cP	B Component; ASTM D1824
	92000 cP	92000 cP	A Component; ASTM D1824

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50 - 60	50 - 60	Cured property; ASTM D2240
Adhesive Bond Strength	4.83 MPa	700 psi	Cured property; Lap Shear failure in polycarbonate substrate; ASTM D1002
	8.27 MPa	1200 psi	Al-to-Al Lap Shear; Cured property; ASTM D1002

Thermal Properties	Metric	English	Comments
Flash Point	>= 150 °C	>= 302 °F	A Component; ASTM D92
	>= 150 °C	>= 302 °F	B Component; ASTM D92

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Processing Properties	Metric	English	Comments
Processing Temperature	100 °C	212 °F	Cure

## Contact Songhan Plastic Technology Co.,Ltd.

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