SHAPING THE FUTURE OF ADHESIVES SHAPING THE FUTURE OF ADHESIVES SHAPING THE FUTURE OF ADHESIVES SHAPING THE FUTURE OF ADHESIVES SHAPING THE FUTURE OF ADHESIVES

API ADVANCED POLYMERS INTERNATIONAL

Technical Data Sheet

Gel-Tac® Adhesive 172G

Product Description

Gel-Tac® Adhesive 172G is a waterbased microsphere adhesive for use in applications that require the properties of low tack and clean removability.

Application

Gel-Tac 172G is particularly useful in the construction of photographic album pages or similar constructions employing a sheet of polypropylene or polyester film as an overlay. The overlay sheet when peeled back from the adhesive will exhibit little or no ghosting or adhesive residue.

Physical Property

Total Solids:	41% - 43%
Viscosity:	200cps - 300cps
pH:	9.0 - 10.0
Vehicle:	Water/Propylene Glycol
Particle Size:	15 micron average

Handling & Storage

Gel-Tac 172G may separate over time. This is typical for this type of adhesive. Mix before use; adhesive will readily redisperse with mild agitation. Check pH in open coating pans and adjust to 9.5 with ammonium hydroxide solution, if necessary. If the pH of the adhesive falls below 8.8, coagulation may occur. Air operated diaphragm pumps are recommended to pump the adhesive. Avoid the use of high speed centrifugal pumps. The adhesive will clean up with water and mild soap when wet; dried material may require clean up with a solvent such as acetone or ethyl acetate. Personnel should wear gloves & splash goggles when handling material. Keep containers closed to maintain proper pH. Protect the material from freezing conditions.

Typical Performance Properties

Adhesive coated onto 1 mil. polyester film.
Adhesive coat weight 12 gsm/dry.
90º Peel (PSTCS-1-1)

30 min. dwell	3.4g/2.54 cm
24 hour dwell	5.6g/2.54 cm
Loop tack	10.7g/2.54 cm
Polyken tack	0g/2.54 cm

Shelf Life

Gel-Tac adhesive should be stored at temperatures between 50oF and 100oF. Keep containers closed to maintain stability of the adhesive. Shelf life is 6 months.

Packaging

Gel-Tac® adhesive is supplied in 1000kg totes or 200kg drums.

Regulatory Status

Gel-Tac Adhesive 172G is compliant under CONEG, Toy Safety ASTM 963 (Heavy Metals Only) and Hasbro Limits (Heavy Metals Only).

SHAPING THE FUTURE OF ADHESIVES

Recommendations of Advanced Polymers International, if any, regarding the use of this product are based upon testing methods believed to be reliable. All component materials are of the highest quality and our manufacturing process is conducted in accordance with the highest of standards. However, we do not recommend that this product be used in any way which violates any law or infringes upon any valid patents. We make no warranties, express or implied, regarding this product or its use, including merchantability and fitness for a particular purpose. The manufacturer is not liable for any consequential, incidental or special damages of any kind.

3584 Walters Road, Syracuse, NY USA 13209
Phone: 315.451.1755 Fax: 315.451.9442 www.geltac.com

SHAPING THE FUTURE OF ADHESIVES SHAPING THE FUTURE OF ADHESIVES SHAPING THE FUTURE OF ADHESIVES