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API ADVANCED POLYMERS INTERNATIONAL

Technical Data Sheet

Gel-Tac® Adhesive 142E

Product Description

Gel-Tac 142E is a waterbased microsphere adhesive for use in applications that require the properties of low tack and clean removability. 142E is particularly useful for applications such as wall decorations which require good initial tack as well as long term removability.

Application

Gel-Tac 142E is designed for direct coating onto paper substrates using conventional coating methods such as reverse roll and Mayer rod.

Physical Property

Total Solids:	41% - 43%
Viscosity:	800cps - 1400cps
pH:	9.0 - 10.0
Vehicle:	Water

Handling & Storage

Gel-Tac 142E adhesive will separate over time. This is typical for this type of adhesive. Mix before use. Make sure pH is between 9.0 – 10.0. If pH falls below 8.8, coagulation may occur. Personnel should wear gloves & splash goggles when handling materials. Adhesive should not be exposed to 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	109.2g/2.5 cm
24 hour dwell	124.1g/2.5 cm
Loop tack	138g/2.5 cm
Polyken tack	77.7g

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 142E is in compliance with the following regulations: FDA (21 CFR) 175.105, CONEG, Toy Safety Limits (ASTM 963.96a, Metals Only), and Hasbro Limits (Heavy Metals Only).

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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

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