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API ADVANCED POLYMERS INTERNATIONAL

Technical Data Sheet

Gel-Tac® Adhesive 271ND

Product Description
Gel-Tac 271ND is a waterbased microsphere adhesive for use in applications that require the properties of low tack and clean removability.

Application
Gel-Tac 271ND is designed for transfer coating onto paper substrates. 271ND can be coated onto release liner using conventional coating methods such as reverse roll and extrusion. 271ND should be applied at amounts of 10-13 lbs. (dry)/3000 sq. ft. for the purposes of initial evaluation

Physical Property

Total Solids:	41% - 43%
Viscosity:	1400cps - 2000cps
pH:	8.5 - 10.0
Vehicle:	Water
Particle Size:	30 micron average

Handling & Storage
Gel-Tac 271ND adhesive will separate over time. This is typical for this type of adhesive. Mix before use. Make sure pH is between 9.0 and 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	101.9g/2.5 cm
24 hour dwell	120.1g/2.5 cm
Loop tack	245g/2.5 cm
Polyken tack	180g

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 271ND is compliant under CONEG, Toy Safety ASTM 963 (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.

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