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API ADVANCED POLYMERS INTERNATIONAL

Technical Data Sheet

Gel-Tac® Adhesive 219D

Product Description
Gel-Tac 219D is a waterbased microsphere adhesive for use in applications that require the properties of low tack and clean removability.

Application
Gel-Tac 219D is designed for transfer coating onto polypropylene and polypropylene film substrates. 219D can be coated onto release liner using conventional coating methods such as reverse roll and extrusion.

Physical Property

Total Solids:	41% - 43%
Viscosity:	800cps - 1400cps
pH:	8.5 - 10.0
Vehicle:	Water/Propylene Glycol
Particle Size:	15 micron average

Handling & Storage
Gel-Tac adhesive 219D may 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 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	86.7g/2.5 cm
24 hour dwell	117.7g/2.5 cm
Loop tack	96.7g/2.5 cm
Polyken tack	109.5g

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 219D is compliant under CONEG, Toy Safety ASTM 963.96a (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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