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API ADVANCED POLYMERS INTERNATIONAL

# Technical Data Sheet

## Gel-Tac® Adhesive 21545N

### Product Description
Gel-Tac 21545N is a waterbased microsphere adhesive for use in applications that require the properties of low tack and clean removability.

### Application
Gel-Tac 21545N is designed for transfer coating onto polypropylene and polyester substrates. 21545N can be coated onto release liner using conventional coating methods such as reverse roll and extrusion.

### Physical Property

| | |
|---|---|
| Total Solids: | 41% - 43% |
| Viscosity: | 1400cps -2000cps |
| pH: | 8.5 - 10.0 |
| Vehicle: | Water |

### Handling & Storage
Gel-Tac 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 | 34.5g/2.54 cm |
| 24 hour dwell | 43g/2.54 cm |
| Loop tack | 68.6g/2.54 cm |
| Polyken tack | 81.3g/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.

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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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