

TECHNICAL DATA SHEET

Date of Issue 02/2026 | Rev. 00_02/2026

AC816N

PP Acrylic 28my N-MACH



PRODUCT DESCRIPTION

AC816N is an industrial-grade acrylic packaging tape engineered for medium-weight carton sealing in demanding logistics and warehouse environments. Its biaxially oriented polypropylene (BOPP) film provides increased tensile strength, dimensional stability and resistance to tearing, ensuring secure performance even under mechanical stress. The water-based acrylic adhesive offers controlled unwinding, reliable initial tack and long-lasting bonding on both virgin and recycled corrugated board. With enhanced holding power and stable behavior under fluctuating temperature conditions, it is ideal for industrial packing stations that require consistency, clarity and dependable closure quality.

FEATURES

- Industrial-grade BOPP backing with high tensile strength
- Acrylic adhesive with stable, long-term bonding
- Controlled unwind with standard-noise output
- Good holding power under mechanical stress
- Reliable on recycled and standard cardboard
- Enhanced stability under temperature fluctuations

MAIN APPLICATIONS

- Industrial sealing of medium-weight cartons
- Packing stations with repetitive or high-volume operations
- Warehouse and distribution workflows
- Suitable for recycled cardboard
- Recommended for standard-temperature environments

CONSTRUCTION

| | Adhesive | Backing |
|----------|--|--|
| Material | Acrylic (water-based) | Biaxially oriented polypropylene (BOPP) |
| Colour | <input checked="" type="radio"/> Transparent <input type="radio"/> White <input checked="" type="radio"/> Brown | <input checked="" type="radio"/> Transparent |

TECHNICAL DATA*

| | Metric | Imperial Units | Test Method |
|-------------------------|---------------------|-------------------------|---------------------|
| Film thickness | 28 µm | 1.10 mils | Internal |
| Adhesive weight | 16 g/m ² | 0.47 oz/yd ² | ISO 536 |
| Total thickness | 44 µm | 1.73 mils | Internal |
| MD tensile strength | 40 N/cm | 23 lb/in | AFERA 5004/PSTC 131 |
| MD elongation at break | 140 % | 140 % | AFERA 5004/PSTC 131 |
| Adhesion to steel plate | 2.08 N/cm | 19 oz/in | AFERA 5001/PSTC 101 |

*Typical value

All technical data provided is based on laboratory testing and is believed to be accurate. End users are responsible for determining product suitability for their intended application.

Technical Information and Product Use

All technical information and data above mentioned are provided to the best of our knowledge on the basis of our practical experience. Figures shown refer to average values only, based on tests carried out in conditioned laboratory and are not valid for specification. The company reserves the right to modify or change the products at any time without notice. The accuracy or completeness of such information is not guaranteed. The technical information, suggestions and other statements contained in this document have been compiled for your guidance and usage. ATLAS Tapes Group reminds the user of the products to make sure that the product is used as per the instructions and suggestions provided. It is the user's sole responsibility to determine the suitability of the product in actual application under specific conditions.

Storage and Shelf Life

Suggested storage in dry area away from direct sunlight temperature should range from 59°F / 15°C to 77°F / 25°C with max relative humidity of 50%. Tape and jumbo roll should be used respectively within 12 months and 6 months from date of shipment. ATLAS Tapes Group does not take responsibility for the defective material if is not stored and used in accordance with the conditions listed above.