

## TECHNICAL DATA SHEET

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# AC518N-HT

## PP Acrylic 25my H.T.



### PRODUCT DESCRIPTION

AC518N-HT is a high-tack water-based acrylic packaging tape engineered for industrial-grade manual sealing of light cartons. Its biaxially oriented polypropylene (BOPP) film ensures dimensional stability, enhanced tear resistance and controlled handling during repetitive or intensive packing operations. The high-tack acrylic adhesive provides reinforced initial grab, allowing fast and secure bonding on both standard and recycled cardboard, as well as slightly rough or inconsistent surfaces. With stable unwind at standard noise levels and strengthened holding power, it ensures reliable performance in warehouse lines, distribution centers and manufacturing environments requiring dependable, high-tack sealing.

### FEATURES

- High-tack acrylic adhesive with reinforced initial grab
- BOPP film with dimensional stability and tear resistance
- Excellent performance on recycled and rough cardboard
- Controlled unwind at standard noise level
- Strong holding power for industrial manual use
- Suitable for repetitive or intensive packing cycles

### MAIN APPLICATIONS

- Industrial manual sealing of light cartons
- Fast bonding on recycled and difficult surfaces
- High-tack requirements in warehouse and logistics
- Production and packaging lines with repetitive cycles
- Use in 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	25 µm	1.0 mils	Internal
Adhesive weight	18 g/m <sup>2</sup>	0.53 oz/yd <sup>2</sup>	ISO 536
Total thickness	43 µm	1.7 mils	Internal
MD tensile strength	32 N/cm	18.3 lb/in	AFERA 5004/PSTC 131
MD elongation at break	140 %	140 %	AFERA 5004/PSTC 131
Adhesion to steel plate	2.2 N/cm	20.1 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 it is not stored and used in accordance with the conditions listed above.