

Hotmelt Tape

Utility Grade



Product Description:

BOPP Hotmelt Tape is produced for versatility across a wide range of packaging applications. It delivers smooth processing & effortless unwind. With superior adhesion & high tensile strength, the hotmelt tape ensures secure, reliable seals on corrugated & recycled cartons.

Technical Properties	Test Method	Unit	Metric	Unit	Standard
Total Thickness	-	µm	43	mils	1.69
Film Thickness	-	µm	23	mils	0.90
Adhesive Thickness	-	µm	20	mils	0.79
Breaking Strength (Max,Min 10%)	AFERA 5004	kgs/2.5 cm	8	oz./1' inch	17.64
Elongation (Max,Min 10%)	AFERA 5004	%	170	%	170
180° Peel Adhesion (Max,Min 10%)	AFERA 5001	gms./2.5 cm	800	oz./1' inch	29.98
Shear Strength On Paper (Minimum)	AFERA 5012	Minutes,	250	Hours	4.17
Rolling Ball Tack (± 2 cms.)	PSTC-6	cms.	7	Mils	2756
Unwinding Tension (± 50 gms.)	-	gms./2.5 cms.	500	oz./1' inch	17.64

ADHESION TEST CONDITIONS (ACCORDING TO AFERA 5001) :

- Test specimens should be 24mm min. wide, 300mm long, unwinded from rate of 500 to 750 mm/s, room temperature 27°C.
- Stainless steel plate should be 150mm long, 2mm thick, 50mm width, and cleaned by MEK(methyl ethyl ketone) for every test.

ROLLING BALL TACK TEST CONDITIONS (ACCORDING TO PSTC-6) :

- Test specimens should be 24mm wide, approximately 300mm long.
- Rolling ball should be 11mm (7/16") and clean by MEK(methyl ethyl ketone) for every test.
- A working surface that is level, hard and smooth.

SHEAR TEST CONDITIONS (ACCORDING TO AFERA 5012) :

- A steel roller should be 85mm in dia., 45mm width, 6mm thick rubber covered, and 2Kg Weight.
- Specimens should be 25mm in width.
- Specimens should be removed from the roll by unwind rate 500 to 750 mm/s.
- Specimens should be taken between above 3 to below 6 outer wraps.
- Testing area should be 23°C in temperature.

BREAKING STRENGTH & ELONGATION TEST CONDITIONS (ACCORDING TO AFERA 5004) :

- Test specimens should be 25mm in width, 200mm in length.
- Gauge length should be set on 100mm.
- Specimens should be perfect clamp to the grips of the testing machine.
- Specimens should be taken between above 3 to below 6 outer wraps.

ADDITIONAL INFORMATION

SHELF LIFE: The standard shelf life is 12 months from the date of manufacture. However, this depends on several factors such as storage conditions, handling etc.

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