

Cross Filament Tape

Product Description:

It is reinforced with bi-directional fiberglass strands, offering superior strength and tear resistance for the toughest packaging applications. With high tensile load capacity and strong adhesive bonding, it ensures secure carton sealing, palletizing, and bundling of heavy materials. Its cross-weave design prevents splitting and provides extra durability, making it ideal for demanding shipping and industrial uses.



Technical Properties	Test Method	Unit	Metric	Unit	Standard
Total Thickness	-	µm	140	mils	5.51
Breaking Strength (Max,Min 10%)	AFERA 5004	kgs/2.5 cm	56	oz./1' inch	123.46
Elongation (Max,Min 10%)	AFERA 5004	%	8	%	8
180° Peel Adhesion (Max,Min 10%)	AFERA 5001	gms./2.5 cm	1050	oz./1' inch	37.04
Shear Strength On Paper (Minimum)	AFERA 5012	Minutes,	300	Hours	5.00
Rolling Ball Tack (± 2 cms.)	PSTC-6	cms., Mils	4	Mils	157
Unwinding Tension (± 50 gms.)	-	gms./2.5 cms.	600	oz./1' inch	21.16

✓ 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 remove 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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