



Technical Data Sheet

3M™ Medium Duty Reinforced Water
Activated Tape 6146 Kraft



[Product Details](#)

Product Description

3M™ Medium Duty Reinforced Water Activated Tape 6146 Kraft is used for box sealing and other packaging applications. This product has a fiberglass reinforced paper backing and a high tack water activated adhesive system.

Product Features

- Recommended for sealing packages weighing a maximum of 35 lbs.
- Used for two C clips on cartons – top and bottom.
- Works well on recycled cartons and non-unitized loads.
- Construction assures a reliable performance in a range of environments and applications.

Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Attribute Name	Value
Adhesive Type	High Tack, Water Activated, modified Starch Based Adhesive
Fiber Reinforcement	3 Way Fiber Glass Reinforcing Pattern • Pattern: Lengthwise threads with diamond cross-machine pattern • Lengthwise Threads: 110 Denier Fiberglass -19/32" Spacing (1-1-1-1-1) • Cross Machine Threads: 150 Denier Fiberglass – Diamond Pattern less than 1-1/4" spacing between threads
Bottom Sheet	23 lbs/ream MG Natural High Strength Virgin Kraft
Top Sheet	30 lbs/ream Natural Virgin Kraft
Laminating Matl	Polypropylene based polymer
Thickness	0.17 mm (6.5 mil)

Typical Performance Characteristics

Tensile Strength

Test Condition	Value
Machine Direction	1051 — 1138 N/100mm (60 — 65 lb/in)
Cross Direction	25 — 30 N/100mm (438 — 525 lb/in)

Handling/Application Information

Application Techniques

Semi-automatic application equipment is available. Application is most easily accomplished at room temperature. Once applied, the tape performs well throughout the normal temperature ranges typically encountered by packaged products in shipping and storage environments.

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 12 months from date of manufacture.

Available Sizes

Attribute Name	Value
Packaging	10 rolls per case
Standard Roll Length	137 m (450 ft)
Standard Width	72 mm (2.8 in)

Information

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ISO Statement

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