

3M™ Bundling Tape 4414

Product Description

3M™ Bundling Tape 4414 is a combination polyester film/polyester web coated with a rubber thermosetting pressure-sensitive adhesive. For maximum solvent resistance and holding properties, the tape should be thermoset at one of the following cycles:

- 1 hour @ 150°C (300°F)
- 2 hours @ 135°C (275°F)
- 3 hours @ 120°C (250°F)

Features

- Puncture resistant
- Excellent electrical properties

Typical Physical Properties and Performance Characteristics

Properties	Test Method	Typical Values
Thickness mils (mm)		5.5 (0.139)
Breaking Strength lbs/in (N/10 mm)	ASTM D-1000	40 (70)
Elongation %	ASTM D-1000	50
Adhesion to Steel oz/in (N/10 mm)	ASTM D-1000	65 (7.1)
Puncture Resistance lbs (kg)	Federal Spec. L-T-001512	12 (5.4)
Dielectric Strength V	ASTM D-1000	5500
Temperature Class °C (°F)		130 (266)
Insulation Resistance megohms		>1 × 10 ⁶

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

United States

3M Renewable Energy Division
800 755 2654

Germany

49 2131 144450

Denmark

45 43 480100

Spain

34 91 3216000

France

33 1 30316161

United Kingdom

44 1344 858000

Italy

39 02 70351

Singapore

65 6450 8888

China

86 21 62753535

Korea

82 2 3771 4043

India

91 80 22231414

Canada

800 364 3577

Brazil

0800 13 23 33

Mexico

52 55 52702250

Taiwan

886 933 896752

Japan

81 3 3709 8283

Malaysia

603 78062888

Other Areas

800 755 2654

For more information on our solar manufacturing product line, contact 3M Renewable Energy at 800-755-2654 or visit us at www.3M.com/solar.

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