



3M™ Wind Blade Protection Tape W8640, Gray

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

Product Description

3M™ Wind Blade Protection Tape W8640 can be used to help protect wind turbine blade surfaces from damage caused by sand and rain erosion and minor impact.

It is gray in color and is made from an exceptionally tough, abrasion-resistant polyurethane elastomer that resists puncture, tearing, and erosion. This highly durable material has also been designed to be resistant to UV light. 3M Wind Blade Protection Tape W8640 application is fast and easy, requires no special tools, and is solvent-free. 3M Wind Blade Protection Tape W8640 is constructed with a long-aging, solvent-resistant pressure-sensitive acrylic adhesive.

Typical Physical Properties

Properties		Typical Values
Approximate Applied Thickness ¹ Inches (mm)	Film	0.012 (0.30)
	Adhesive	0.002 (0.06)
	Total Thickness	0.014 (0.36)
Standard Roll Length ²		36 yd (32.9 m)
Available Widths ² Inches (mm)	Minimum	.5 (12.7)
	Maximum	48.0 (609.6)
Approximate Weight		0.81 lb/yd ² (405 g/m ²)
	Splices	Yes

¹ Excludes the polyethylene liner that is removed from the tape prior to application.

² Custom roll lengths and widths are available.

Properties	Test Method	Typical Values
Tensile Strength @ Break lb/in (N/100 mm)	ASTM D882	87 (1542)
Elongation % @ Break	ASTM D882	500
Maximum Service Temperature °F (°C)		-40 (-4) to 180 (82)

Safety and Regulatory

- 3M Wind Surface Protection Tape W8640 is 100% solids and contains no hazardous air pollutants (HAPs) or volatile organic compounds (VOCs). Respiratory protection is not required under normal use conditions.
- 3M Wind Blade Protection Tape W8640 and packaging materials meet US Federal and California regulations for landfillable materials. The product is potentially recyclable.
- This product is considered to be an article that does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

Shipping and Storage

No special/hazardous labeling or packaging required for air, ground, or water shipment of this product.

Keep film in a clean area, away from excessive moisture and out of direct sunlight. Store rolls in the shipping carton. Return partially used rolls to the shipping carton.

Shelf life

Two years from date of manufacture.

Precautionary Information

Refer to Material Safety Data Sheet for health and safety information before using this product. For additional health and safety information, visit www.3M.com/msds or call 1-800-364-3577 or (651) 737-6501.

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

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98-0150-0078-3

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