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PRODUCT DATA SHEET

E-Z Fuse Silicone Tape

Pacer Technology's **E-Z Fuse Silicone Tape** (15412, 15413) is a self-fusing, insulating tape material that forms a permanent, waterproof, UV-resistant, airtight seal when cured. The easy-to-use, flexible material stretches around uneven shapes and forms. It can be used for Automotive, Marine, Electrical, Plumbing, Sealing, Insulating and General Purpose applications. Specific uses include: water hose and pipe repair, weatherproofing electrical connections, fittings & hose seals, bundling wires, boat rigging, sport & tool handles, plumbing repairs, rope ends, bicycle & wheelchair handle wraps, emergency radiator hose repair and emergency o-rings and seals. **E-Z Fuse Silicone Tape** is UL-listed as an Insulating Tape for use up to 600V and up to 176°F (80°C).

PRODUCT PROPERTIES:

<u>PROPERTY</u>	<u>PERFORMANCE</u>
Appearance	Black flexible silicone tape with mild odor.
Operating temperature – continuous	-49 to 392°F (-45 to 200°C)
Operating temperature – intermittent	-85 to 500°F (-65 to 260°C)
Cold Brittle Point	-85°F (-45°C)
Hardness (ASTM D2148): - Cured at room temp, 24 hr - Cured at 300°F (150°C), 24 hr - Cured at 480°F (250°C), 24 hr	50 ± 5 (Shore A) 70 ± 5 (Shore A) 75 ± 5 (Shore A)
Density (ASTM D792)	1.2 g/cc (0.043 lb/in ³)
Thickness (unstretched tape) – nominal	0.020"
Flammability , maximum (ASTM F963)	0.10 inch/second
Elongation , minimum (ASTM D119)	300%
Water absorption , max by wt. (MIL-I-46852)	3%
Volume Resistivity , minimum (MIL-I-46852)	3 x 10 ¹⁴ ohm-cm
Dielectric Constant (ASTM D150)	2.95 kHz
Dielectric Strength , Minimum (MIL-I-46852)	400 V/mil
Dissipation Factor (ASTM D150)	0.0004 kHz
Adhesion , Maximum unwind (ASTM D2148)	3 inches
Adhesive Bond strength , Minimum (MIL-I-36852)	2 lbs
Tear Strength , Minimum (ASTM D264)	85 ppi
Tensile Strength , Minimum (ASTM D119)	700 psi
Shelf Life	60+ months

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APPLICATION INSTRUCTIONS:

1. Hold **E-Z Fuse Silicone Tape** in position and apply a complete wrap back onto itself. This initial wrap secures the tape for additional wraps.
2. Maintain a constant stretch as you continue to wrap, making sure each new layer “half laps” onto the previous layer. These overlaps will fuse together.
3. Be certain the end of the final wrap is pressed down onto prior wraps. Use less stretch on the final wrap. If applying multiple pieces of tape, always start the end of each new piece in contact with a prior wrap.
4. For pressure applications, stretch **E-Z Fuse Silicone Tape** to the maximum and apply several tight layers. Non-pressure applications require only a minor stretch and one layer.

E-Z Fuse Silicone Tape layers begin to fuse immediately, forming a permanent, cohesive bond within 24 hours. Repositioning not recommended after 2 minutes of wrapping. E-Z Fuse Tape can be applied in wet, non-oily conditions, although dry surface conditions are suggested for best performance. Do not use on any gas pipe or connections.

SAFETY AND HANDLING INFORMATION:

E-Z Fuse Silicone Tape is not considered to be a hazardous product. It may cause mild eye or skin irritation in sensitive individuals. Wash hands with soap and water after use. For more information, refer to Material Safety Data Sheet available upon request. In case of emergency, call CHEMTREC at (800) 424-9300 or call Pacer Technology (800) 637-9803 (outside CA only) or (909) 987-0550.

E-Z FUSE SILICONE TAPE - PRODUCT NUMBERS:

15412– Black tape – 1 in. x 2.5 ft.

15413 – Black tape – 1 in. x 10 ft.

2016 kr

The information in this Product Data Sheet (PDS) is of a general nature based on our knowledge and experience with this product and should be used for information and consideration purposes only. The product can have a variety of different applications, as well as differing application and working conditions in your environment that are beyond our control. Therefore, this data does not constitute a warranty, expressed or implied, statutory or otherwise, nor is it representation for which Pacer Technology assumes legal responsibility. Pacer Technology strongly recommends that users of the product independently determine the suitability of the product for their use.

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