



## K-1158

### 3 MIL SKIVED PTFE/SILICONE FILM TAPE

#### APPLICATIONS

K-1158 features a 3 mil skived PTFE (polytetrafluoroethylene) film backing coated with a silicone adhesive. Designed for electrical insulation applications in coils, capacitors and fractional horsepower motors where high dielectric and heat resistance properties are required.

Also used in mechanical applications for covering rollers in web processing, as labeling machine pressure pads, and with chute liners where anti-friction surfaces are required. Excellent for use in automotive applications for squeak and noise reduction.

Ideal for use in aerospace composite bonding applications for tabbing and as a mold release and on tooling blocks where high elongation and release from most resin systems saves time and improves quality.

#### FEATURES/BENEFITS

- High temperature silicone adhesive removes cleanly without leaving adhesive residue.
- Unsurpassed dielectric strength in volts per mil combined with a high thermal rating.
- Superior chemical, moisture and solvent resistance.
- High elongation film allows for easy shaping on a variety of contoured surfaces.
- Available on a film release liner and in custom die cut shaped parts.

#### TECHNICAL DATA

Backing Material	: 3 mil PTFE Film
Adhesive	: Silicone
Color	: Gray
Total Tape Thickness	: 4.50 mils (0.12mm)
Elongation	: 300%
Tensile Strength	: 20 lbs/inch of width (35 N/cm)
Adhesion to Steel	: 25 oz/inch of width (2.80 N/cm)
Dielectric Strength	: 9,500 Volts
Insulation Class	: 180°C (UL Recognized Class H)
Insulation Resistance	: $2 \times 10^6$
Corrosion Factor	: 1.0
Temperature Range	: -73°C to +260°C (-100°F to +500°F)
Specifications	: AA-59474 Type 1, Class 2
	: RoHs/REACH Compliant

Note: The above are typical values obtained from tests recommended by the PSTC, ASTM, or government agencies and should not be used in writing specifications. The product should be thoroughly evaluated by the user under actual conditions with intended substrates to determine if the product is suitable for the application.