

## Product Data Sheet

HM-2-SA

Adhesive Type	<b>Silicone</b>	Tensile Strength (mpa min)	<b>76</b>
Backing Thickness (mm)	<b>0.05</b>	Elongation Percentage	<b>100</b>
Adhesive Thickness (mm)	<b>0.04</b>	Dielectric Strength /V Total	<b>8000</b>
Peel Adhesion (g/cm)	<b>279</b>	Operating Temperature (°C)	<b>-73 to +260</b>



### Material Properties

Pressure sensitive tapes using a skived & tensilized PTFE film coated with a high temperature silicone adhesive. The tensilized film provides a higher tensile strength, lower elongation and higher dielectric strength than regular skived film.

These tapes are primarily used in electrical applications such as coil wraps and separators, transformer, slot liners and harness wrapping where excellent insulation and heat resistance are required. They are also used in mechanical applications requiring temperature resistance and good release properties such as aerospace composites.

### Additional Information

**Availability:** This material as available ex stock and can be supplied at any width from 3mm up to 500mm wide.

**Fabric Care:** Do not fold or crease when handling and installing. The fabric can eventually discolour in sunlight (turns white), but otherwise is unaffected by biological or chemical agents, heat or cold within its temperature range, or by most areas of the electric magnetic spectrum.

The material can be converted to engineered product. Consult our Technical staff for further details. Also available chemically etched one side for proprietary adhesive bonding. Standard etch is silica based, sodium based etch is available on request

PTFE (Teflon®) begins to soften at 260°C, increasing wear rate. Somewhat above 300°C, fumes are given off and these should not be inhaled. COSHH data is available upon request. After contact wash hands thoroughly before handling or smoking tobacco.