

PTFE Tape

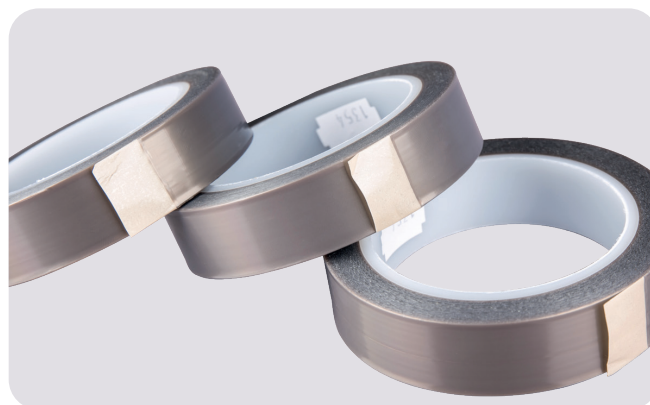
Flonstik™ 100-HD

FLONSTIK™ 100 HMS tape is a form of sintered and stretched PTFE with high temperature Silicone adhesive applied to one side. The stretched PTFE provides high tensile strength/modulus, lower elongation and higher dielectric strength than standard skived PTFE tape.

FLONSTIK™ 100 HMS PTFE tapes are widely used in electrical applications, e.g. the tight winding and wrapping of irregular shapes such as coils and cable harnesses where good insulation at high temperatures is required.

Availability

- Self wound, no backing liner
- Standard roll L33m
- Standard W457mm; can be slit from W6mm
- Supplied on standard 76mm cores.



Key features

-  Pressure sensitive adhesion/ application
-  High temperature performance
-  Superior tensile properties
-  Excellent thermal & dimensional stability
-  Exceptional dielectric strength
-  Unrivalled chemical resistance
-  MIL Spec I23594C, Type1 / Revised Spec. AA59474

Typical Properties / Standard Thicknesses

| Property | Test Method | HD-1 | HD-2 | HD-3 |
|-------------------------------|-------------|-------------|-------------|-------------|
| PTFE thk (mm) | ASTM-D 374 | 0.050 | 0.076 | 0.127 |
| Total Thk Incl. Adh (mm) | ASTM-D 374 | 0.089 | 0.114 | 0.165 |
| Adhesion (oz/in) | ASTM-D 1000 | 30 | 30 | 40 |
| Elongation (%) | ASTM-D 1000 | 100 | 100 | 100 |
| Tensile Strength (lb/in) | ASTM-D 1000 | 30 | 40 | 75 |
| Dielectric Strength (V total) | ASTM-D 149 | 10,000 | 12,000 | 16,000 |
| Temperature Range (°C) | | -75 to 260 | -75 to 260 | -75 to 260 |
| Temperature Range (°F) | | -103 to 500 | -103 to 500 | -102 to 500 |