

CS Hyde Company

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PRODUCT INFORMATION

21-__S
**PTFE Coated Fiberglass w/
Silicone Adhesive**

PRODUCT DESCRIPTION:

The 21- Series is a Standard Grade PTFE (Teflon®) coated fiberglass tape with SILICONE pressure sensitive adhesive on one side, available with or without liner. This tape is an excellent product for the various industrial applications requiring release properties and extreme temperatures (up to 500°F), chemical or environmental resistance.

PERFORMANCE & APPLICATION:

Our Standard Grade PTFE (Teflon®) tapes demonstrate superior dielectric strength and resistance to wear, tear, cut through, breaking and flow under heat and pressure. PTFE (Teflon®) is non-tracking in an electric discharge and will not support combustion. Dielectric strength changes little over a wide range of frequencies and relative humidities. PTFE resin is one of the most chemically inert materials available and has a low coefficient of friction. Few substances will stick to its surface. These tapes are used in heating sealing and element covers, lamination release covers, backing release surfaces for impulse wire sealing, L-Bar sealing, shrink wrapping, blister packing, plastic bag manufacturing, dry can roll covers, chute-bed-bin-oven liners, commutator covers, spacers, slot liners, splicing, field and armature winding, cable and conductor wrapping, tool & mold release, flash breaker tape, harness wrap.

TYPICAL PROPERTIES:

| | 21-3S | 21-5S | 21-6S | 21-10S | 21-14S |
|------------------------------------|--------------|--------------|-----------------|---------------|---------------|
| Total thickness | .005 | .007 | .008 | .012 | .016 |
| Backing thickness (in.) | .003 | .005 | .006 | .010 | .013 |
| Breaking Strength (lb./in.) | 70/50 | 120/100 | 120/100 | 225/175 | 400/250 |
| Adhesion, oz./in. | | | 40 | | |
| Elongation % | | | <5 | | |
| Dielectric Strength | 2500 | 3500 | 4500 | 5500 | 4500 |
| Insulation Class | | | 220 | | |
| Operating Temp (cont.) °F | | | -100°F to 500°F | | |

*The above values are "Typical Values" which have a nominal range about them and are not intended for specification purposes.