

CS Hyde Company

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PRODUCT INFORMATION

15-5HM
PTFE Film w/
Silicone Adhesive

PRODUCT DESCRIPTION

The PTFE film has been subjected to a special process that lowers its elongation and increases its breaking strength for easier handling. One side has a silicone adhesive and the other side offers low coefficient of friction film, which is thin and conformable. The backing offers excellent high temperature resistance and is chemically inert. This tape construction is weather resistant, stable and non-toxic. Meets the requirements of MIL-I-23594C Type 1, Class 4

APPLICATION INFORMATION

Used as a masking during metal bonding, roll covering on plastic extruders, and for fine wire harnesses. They are chosen for lay flat operations where anti-friction properties and solvent resistance are required.

TECHNICAL DATA

Property	Value
Backing Material	Film-PTFE
Adhesive Type	Silicone
Total Thickness (in.)	.0065
Backing Thickness (in.)	.0050
Adhesive Thickness (in.)	.0015
Adhesive to Steel (oz./in.)	30
Tensile Strength (lbs./in.)	45
Dielectric Strength (volts)	13500
Direct Electrolytic Corr.	1.0
Elongation (% at break)	200
Operating Temperature (°F)	-100 to +500
Insulation Class (°C)	180
Color	White

Width: .25" up to 24"
Length: 18 (or) 36 yards

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

No biocompatibility testing has been done. Food and Medical grade means that it uses an adhesive approved for indirect food contact and that it can be sterilized with common medical methods such as E beam and gamma without discoloration or affecting the performance of the tape. The tape is not a medical component and any manufacturer who wishes to use the materials to make a medical component must do their own testing. These tapes have a cleaner appearance than gray PTFE tapes. This appearance is desired in Food and Medical applications. The tapes also do not contain migrating components, heavy metals, and other dangerous contaminants that are found in other PTFE adhesive tapes.