

CS Hyde Company

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PRODUCT INFORMATION

18-.05S
Polyimide Film w/ Silicone
Adhesive

PRODUCT DESCRIPTION

18-.05S has excellent mechanical and electrical properties as well as a high conformability. 18-.05S offers outstanding resistance to cut-through, and is impact and abrasion resistant. Also offers excellent dielectric strength, while the burning of the adhesive forms a non-conductive ash. This material meets the Underwriters Laboratories, Inc. Guide OANZ2 with a 180°C temperature rating, and it complies with UL510 for a flame retardant. The polyimide backing meets MIL-P-46112B.

APPLICATION INFORMATION

18-.05S is constructed to fill the requirements of a high performance thermoplastics polyimide backing materials. It is designed to fill the various needs of electrical insulation requirements.

PHYSICAL PROPERTIES:

Backing Material	Film-Polyimide
Adhesive Type	Silicone
Total Thickness (in.)	.0015
Backing Thickness (in.)	.0005
Adhesive Thickness (in.)	.0010
Adhesion to Steel (oz./in.)	15
Tensile Strength (lbs./in.)	10
Elongation (% at break)	25
Dielectric Strength (volts)	4000
Direct Electrolytic Corr.	1.0
Operating Temperature (°F)	-100 to 500
Insulation Class (°C)	180
Color	Amber

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