

AUBURN PRODUCT NEWS

Auburn Manufacturing Company

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PRELIMINARY DATA SHEET

T SERIES

FILM-PTFE (Skived)

CHR® “T” (Teflon) Series Tape from Auburn is manufactured from skived (polytetrafluoroethylene) PTFE film, which is coated with high-temperature silicone adhesive. PTFE films provide a conformable release surface and exhibit a remarkably low coefficient of friction and non-stick properties. PTFE films have high temperature resistance and are virtually unaffected by all chemicals. At elevated temperatures, PTFE film still retains excellent tensile strength. Service temperatures range from -100°F to +500°F (-73°F to +260°C). Film applications include high temperature coil and capacitor wrapping, composite bonding, masking, and conveyor release linings.

Typical Properties

Product	TV350	T	TV	TH
Backing Material	Film-PTFE	Film-PTFE	Film-PTFE	Film-PTFE
Adhesive Type	Silicone	Silicone	Silicone	Silicone
Total Thickness (in.)	.0035	.0060	.0065	.0125
Backing Thickness (in.)	.0020	.0030	.0050	.0100
Adhesive Thickness (in.)	.0015	.0030	.0015	.0025
Adhesion to Steel (oz./in.)	25	30	30	35
Tensile Strength (lbs./in)	15	25	35	60
Elongation (% at break)	250	275	275	300
Dielectric Strength (Volts)	7800	10000	13000	18000
Direct Electrolytic Corr.	1.0	1.0	1.0	1.0
Operating Temperature (°F)	-20° F – +350° F	-100° F – +500° F	-100° F – +500° F	-100° F – +500° F
Color	White	White	White	White

All properties are typical values and should not be used for writing specifications.

Applications—T, TH, TV and TV350 are often used as an excellent release surface on packaging equipment and heat sealing machines, roll coverings on plastic extruders, guide rails, and angle bars in the graphic arts industry.

Features/Benefits—One side of T, TH, TV and TV350 have a silicone pressure sensitive adhesive and the other side offers low coefficient of friction PTFE film, which is thin and conformable. PTFE backing offers excellent high temperature resistance and is chemically inert. T, TH, TV and TV350 tapes construction is weather resistant, stable and non-toxic. T can be ordered to meet the requirements of MIL-I-23594C Type I, Class 2; TV—Type 1, Class 4; TV350—Type 1, Class 1. T, TH, TV and TV350 tapes construction is weather resistant, stable and non-toxic.

T can be ordered to meet the requirements of MIL-I-23594C Type I, Class 2; TV—Type 1, Class 4; TV350—Type 1, Class 1.

Availability— T and TV350 are offered in master log form 36 yards long x 19" wide. Rolls can be slit 1/4" wide to 19" wide. TV and TH are offered in master log form 18 yards long x 32" wide. Rolls can be slit 1/4" wide to 32" wide. For slit rolls under 1/4" wide, 18 yard long rolls are recommended. All of these above-mentioned tapes are available with or without a liner. For more technical data, samples, material recommendations or price quotations, please contact your Auburn Customer Service Representative.

Potential applications:

- heat sealing machines
- roll coverings
- guide rails
- angle bars
- work-surface coverings
- conveyor release linings
- packaging equipment
- electronic equipment
- chute release linings
- coil/capacitor wrappings