

TECHNICAL DATA SHEET

VAC-SHRINK 1000 & 2000 SERIES

SHRINK TAPE

VAC-SHRINK

The VAC-SHRINK range of shrink tapes are flexible and heat shrinkable polyester films. When wrapped around a circular section object and placed in an oven and heated the tape will shrink and apply a uniform pressure over the surface of the object. If the object is a composite laminate wrapped on a circular mandrel the pressure will consolidate the laminate during an oven cure.

Features and Benefits

- Tough and flexible heat sensitive tape which will shrink when heated. The pressure generated by the shrinking tape if wrapped around a circular section uncured composite part on a mandrel can consolidate the laminate during cure
- Service temperature up to 356°F (180°C) with the 2000 range and up to 329°F (165°C) with the 1000 range. Tape shrinkage starts around 150°F (65°C)
- Available coated with a release agent (designated R) or uncoated (designated U)
- In addition to applying pressure during a thermoset cure the tape can be used for de-bulking and forming materials to a circular form. For non-circular sections consult our engineering staff
- The shrink tape has a film thickness of 0.001”(0.025mm) and 0.002” (0.050mm).
- The shrink tape can be supplied slit to width from 0.5” (12.5mm) to 2.5”(62.5mm)
- The product is available on 3” (76mm) internal diameter (ID) core. Note 1.5” (38mm) ID is available by special order

PROPERTIES

PROPERTY	VAC- SHRINK 1120	VAC-SHRINK 1220	VAC-SHRINK 2212
Maximum Shrinkage percentage (+/-2%)**	20%	20%	12%
Release coat option designation	1120R	1220R	2212R
Thickness	0.001 inches (0.025mm)	0.002 inches (0.050mm)	0.002 inches(0.050mm)
Usage Temperatures	Up to 329°F(165°C)	Up to 329°F(165°C)	Up to 356°F(180°C)

** Actual pressure achieved will vary with winding tension applied, tape overlap and temperature.

AVAILABILITY

The widths, lengths and core sizes shown below are available, other dimensions can be supplied subject to meeting the minimum order quantity.

Slit widths in increments of 0.25”(6.35mm)	0.5"- 2.5" (12.5mm – 62.5mm)
Roll lengths	100yards (91.4m)
Core sizes	3.0”(76mm)

STORAGE

Store in the original packaging.

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COMPOSITES ONE

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HEALTH & SAFETY

Please refer to the product SDS for safe handling, personal protective equipment recommendations and disposal considerations.

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