

# HI-SHRINK TAPE

FOR ELECTRICAL MOTOR AND GENERATOR INDUSTRY

## DESCRIPTION

**HI-SHRINK TAPE** is a tough, flexible heat shrinkable polyester tape. When wrapped around an object and heated, **HI-SHRINK TAPE** has the unique ability to shrink and apply pressure. This simple method of applying pressure is used to advantage in many industries.

The compression force characteristics of **HI-SHRINK TAPE** make it an effective and useful tool for consolidating and compacting resin rich or b-staged materials during cure. In addition, the tape can be used effectively for compressing, debulking, shaping, forming and banding various materials. **HI-SHRINK TAPE** is generally removed after application, and it is not reusable.

**HI-SHRINK TAPE** starts shrinking around 65°C and has been used in applications up to 180°C. If left unrestrained **HI-SHRINK TAPE 220** will shrink 20% after 15 minutes at 150°C. Dunstone can adjust the film thickness and shrink percentage to customize a tape to suit your specific application.

**HI-SHRINK TAPE** is available release coated on one or both sides. The PTFE release coating allows for easy removal from various substrates. The tape can also be perforated with punched holes, staggered on 1/4" (6mm) centers. This is to enhance its ability to outgas volatiles or excess resin during cure of Thermoset Materials.

## PROPERTIES

Product Name	HI-SHRINK 220	HI-SHRINK 210	HI-SHRINK 112	HI-SHRINK 106
Shrink Percentage (±2%)*	20%	10%	12%	6%
Thickness	0.0018 in. (0.050mm)	0.0018 in. (0.050mm)	0.0009 in. (0.023mm)	0.009 in. (0.023mm)
Starts to Shrink	150°F (65°C)			
Usage Temperatures	175°F - 350°F (80-180°C)			
Melting Point	484°F (251°C)			
Shelf Life	Unlimited at Room Temperature			

*\*Percent shrink will vary with temperature and exposure time. Measured shrink % is determined at 150°C for 15 minutes under no load. It is not recommended to expose tape to temperatures exceeding 200°C.*

*Tests to determine application suitability should be made by each user. Dunstone can not guarantee performance in the user's application. 5-3-10. Copyright 2010 Dunstone Company, Inc.*

## AVAILABILITY

**HI-SHRINK TAPE** is provided slit to width and wound on 1.5" or 3" I.D. cores (38mm or 76mm). Standard Slit widths are available in 1/4" increments. Custom length rolls are available per your request. Dunstone can also develop a product to meet your specific needs. If you need a custom shrink percentage please do not hesitate to ask.

## FOR MORE INFORMATION

For more information on this product or any other fine Dunstone products, please do not hesitate to contact us at 704-841-1380.



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