



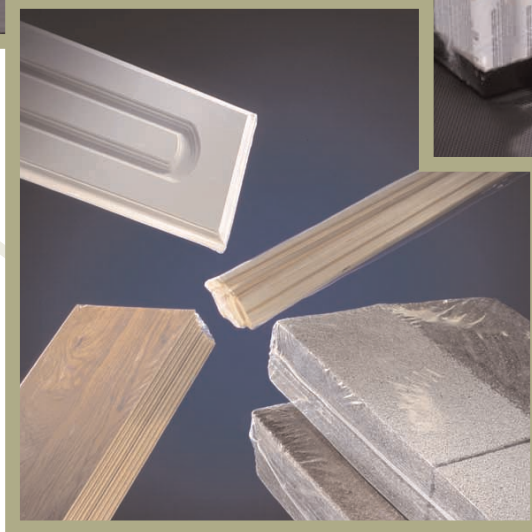
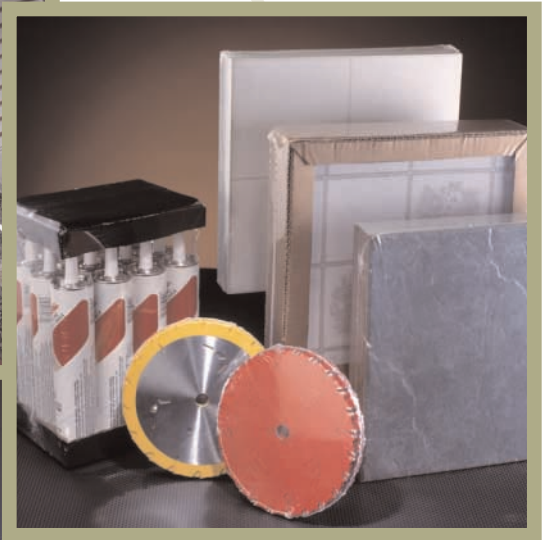
CorTuff

High-Abuse Shrink Film

Toughness

Meets

Versatility



Sealed Air Corporation

CorTuff™ High-Ab

For the first time, shrink packaging technology has delivered a material with the toughness and versatility to go head-to-head with bulky, traditional packaging media like corrugate, heavy-gauge polyethylene, skin packaging, and clamshells. CorTuff™ High-Abuse Shrink Film gives you a cost-effective packaging alternative with unprecedented impact strength that can be used as a primary shipping media and still look great to retail shoppers. Because it's a shrink film you can automate your packaging process, increasing production rates and reducing packaging costs.

Abuse Resistance

CorTuff is the strongest shrink film available in the market today.

Outstanding impact strength ensures your product's protection throughout the most abusive distribution channels, resulting in a more secure package, fewer failures and returns for damage.

Packaging Versatility

CorTuff wraps a wide range of product shapes, weights, and sizes, from large consumer goods, to odd-shaped, and smaller "pick and pack" parcels; all wrapped on site, on demand.

With CorTuff, there's no need for multiple SKUs of different sized packaging materials, and that means fewer change-overs. And with potential package weight reduction, you may gain substantial savings in postage and shipping.

Space Efficiency

Minimizing floor space needed for storage, one roll of CorTuff protects as many different sized products as more than 600 corrugated boxes.¹

Achieve tremendous savings to your bottom line from using less warehouse space.



Packaging Versatility



Wrapping a wide range of products, CorTuff eliminates many different sized packaging materials.



Space Efficiency



One roll of CorTuff protects as many different sized products as more than 600 corrugated boxes.¹

House Shrink Film

Production Flexibility

CorTuff lends itself to full automation of your production line.

Requiring less labor, CorTuff increases production rates and throughputs, and reduces your packaging and labor costs.

CorTuff completely shrinks while in the heat tunnel.

Versus polyethylene, CorTuff increases your throughput speed by eliminating the long wait for packaging to cool.

CorTuff shrinks at temperatures approximately 40% lower than skin packaging and thick mil polyethylene.

CorTuff dramatically reduces your utility costs by using less energy to perform.



Production Flexibility

Lending itself to automation, CorTuff requires less labor for increased production rates and throughput.

CorTuff™ Properties

| CorTuff™ Properties | ASTM Test Method | Typical Values | |
|--|------------------|----------------|-------|
| Grade | | STD | |
| Yield (sq. in. per pound) | | 10000 | |
| Instrumented Impact Strength (lbs) | D 3763-95a | 63 | |
| Water Vapor Transmission Rate (gms/100sq. in./24hrs.; 100%RH, 100°F) | F 1249-90 | 0.3 | |
| Oxygen Transmission Rate (cc/m ² /24hrs. @ 73°F, 1atm) | D 3985-95 | 1400 | |
| Minimum Use Temperature | | -60°F | |
| Maximum Storage Temperature | | 90°F | |
| | | LD* | TD** |
| Tear Propagation (gms) | D 1938 | 80 | 75 |
| Elongation at Break (%) | D 882-95 | 180 | 190 |
| Tensile Strength (psi) | D 882-95 | 12000 | 14000 |
| Modulus of Elasticity (psi @ 73°F) | D 882-95 | 35000 | 37000 |
| Free Shrink (%) | D 2732-83 | | |
| @200°F | | 10 | 17 |
| @220°F | | 17 | 28 |
| @240°F | | 42 | 52 |
| @260°F | | 65 | 66 |
| @280°F | | 70 | 70 |
| Shrink Tension (psi) | D 2838-95 | | |
| @200°F | | 217 | 316 |
| @220°F | | 283 | 360 |
| @240°F | | 307 | 367 |
| @260°F | | 307 | 365 |
| @280°F | | 309 | 376 |

Note: These are typical values and are not intended for use as limiting specifications.

*Longitudinal Direction **Transverse Direction

This information represents our best judgement based on the work done, but the Company assumes no liability whatsoever in connection with the use of information or findings contained herein. CorTuff™ complies with the requirements of the Federal Food, Drug and Cosmetics Act, as amended, for the packaging of all foods, with the exception of high alcoholic, at temperatures of 65°C and below.

*Stated calculation is based on comparing one, 24 inch roll of CorTuff™ High-Abuse Shrink Film, to 662 corrugated boxes with dimensions of 12" x 12" x 7".

Our Products Protect Your Products®

Opti® Shrink Packaging

- A complete turnkey, cost-effective solution
- Opti® brand shrink film
- Opti® brand Packaging Equipment

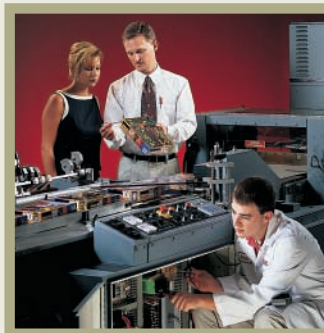


Cryovac® Performance Shrink Films

- Widest selection of shrink film and shrink packaging equipment systems
- Most experienced team of packaging professionals in the industry
- Extensive distribution network second to none

Consultative Services

- Packaging concept development
- Film selection assistance
- Packaging line audits and value analysis



Shanklin® Shrink Packaging Systems

- Feasibility studies of proposed equipment
- Custom-built shrink packaging systems
- Equipment installation, training and ongoing technical support



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