Sealed Air is a leading global manufacturer of a wide range of fresh food, protective and specialty packaging products. Reaching nearly 80 percent of the world’s population, many Sealed Air brands are among the most respected names in their markets.

Our products protect and preserve our customers’ products from the plant or warehouse through the rigors of the distribution chain. A number of Sealed Air products also provide an appealing merchandising presence for retail display.

Sealed Air’s industry-leading investment in research and development and constant focus on World Class Manufacturing principles allow us to continue to deliver innovative packaging solutions that add measurable value to our customers’ businesses around the world.

Creating World Class Packaging Solutions

Sealed Air

Shrink Packaging
P.O. Box 464
100 Rogers Bridge Road, Bldg. A
Duncan, South Carolina 29334-0464
866-773-4567 Fax: 864-433-2019
www.shrinkfilms.com

Our Products Protect Your Products®

Distributed by:

Sealed Air

CorTuff®
High-Abuse Shrink Film

Strength and Abuse-Resistance For Your Product’s Protection

Design For The Toughest Environments

This publication is printed on recycled paper

Corporate Offices: Sealed Air Corporation (US)
200 Riverfront Blvd., Elmwood Park, NJ 07407-1033
www.sealedair.com

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Rev. 1/10
Built Tuff

Unprecedented Impact Strength

Shrink packaging technology has developed 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 strength that can be used as a primary shipping media and still look great to retail shoppers. Because it’s also a shrink film, you can automate your packaging process, increase production rates and reduce packaging costs.

Designed For Tough Environments

Abuse and Tamper Resistance
CorTuff® is the strongest shrink film available in the market today.
Outstanding strength ensures your product’s protection throughout the most abusive distribution channels, resulting in a more secure package, fewer failures and returns for damage.

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.

Production Flexibility
CorTuff® lends itself to 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® shrinks up to 75 percent and at lower temperatures dramatically reducing your utility costs by using less energy to perform.

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 SKU’s of different sized packaging materials, and that means fewer changeovers. And with potential package weight reduction, you may gain substantial saving in postage and shipping.

Properties

<table>
<thead>
<tr>
<th>CorTuff® Properties</th>
<th>ASTM Test Method</th>
<th>Typical Values</th>
<th>Typical Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gauge</td>
<td></td>
<td>200</td>
<td>300</td>
</tr>
<tr>
<td>Instrumented Impact Strength (lbs)</td>
<td>D 3763-95a</td>
<td>44</td>
<td>63</td>
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<td>Haze (%)</td>
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<td>4.5</td>
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<tr>
<td>Water Vapor Transmission Rate (gms/100sq. In/24hrs.); 100% RH, 100° F</td>
<td>F 1249-90</td>
<td>0.5</td>
<td>0.3</td>
</tr>
<tr>
<td>Oxygen Transmission Rate (cc/m2/24hrs. @ 73° F, 1atm)</td>
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<td></td>
<td></td>
</tr>
<tr>
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<td>D 1938</td>
<td></td>
<td></td>
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<tr>
<td>Elongation at Break (%)</td>
<td>D 882-95</td>
<td>160/150</td>
<td>180/190</td>
</tr>
<tr>
<td>Minimum Use Temperature</td>
<td></td>
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① Stated calculation is based on comparing one, 24 inch roll of CorTuff® High-Abuse Shrink Film, to 662 corrugated boxes with dimensions 12” x 12” x 7”.

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

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.
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<td>Elongation at Break (%)</td>
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</tr>
<tr>
<td>Tensile Strength (psi)</td>
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<td>12,000-14,000</td>
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<td>35,000-37,000</td>
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<tr>
<td>Shrink Tension (psi)</td>
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