

## Protection With Permeability

Cryovac® SM570U is a hot needle perforated shrink film that can be used by a wide array of markets, including bakery, produce, textiles and can ends.

The permeability of the film optimizes respiration for optimal freshness of perishable fruits and vegetables. Enhanced air evacuation allows fresh baked goods, like crusty bread and donuts, to better maintain texture, taste and presentation for the consumer.

In addition to protecting food products, this micro-perforated shrink film is ideal for processing certain durable goods. Textile yarns and threads are dyed uniformly due, in part, to the film's intricate hot needle perforation pattern.

Metal can lids can not only be packed and shipped with this strong "carrier" but the packaging design

also supports automated removal of the plastic prior to the filling operation. "Tubes" of can lids are hand loaded hundreds at a time, loaded into magazines supporting a typical high speed filling operation.



Whether it's stretch PVC for product applications or heavy weight kraft paper manually applied to and removed from "can ends," Cryovac® SM570U can provide an improved carbon footprint and will generate a significant source reduction of materials used.

Through automation, Cryovac® SM570U can increase productivity, improve operational efficiencies and reduce total packaging costs. These and other benefits make Cryovac® SM570U the best choice when both protection and permeability matter.



***Versatile***

***Cost Effective***

***Extremely Strong***

***Enhanced Permeability***

***Improved Sustainability***



# PROPERTIES

	ASTM Test	Typical Values	
<b>Gauge</b>		60	75
<b>Yield (Sq. in./lb.)</b>		50,000	40,000
<b>Impact Strength Peak Load (lbs.)</b>	D3763-95a	18.8	23.9
<b>Haze %</b>	D1003-95	3.1	3.3
<b>Clarity %</b>	D1746-92	86	85
<b>Gloss %</b>	D2457-90	87	87
<b>Coefficient of Friction (film-to-film, kinetic)</b>	D1894-95	.22	.22
		<b>LD/TD</b>	<b>LD/TD</b>
<b>Elongation at Break (%)</b>	D882-95	95/30	110/135
<b>Tensile Strength (x 1000 psi)</b>	D882-95	17.5/19.0	17.5/19.0
<b>Modulus (x 1000 psi)</b>	D882-95	60/65	60/65
<b>Shrink Tension (psi)</b>	D2838-95		
@ 200° F		350/500	350/500
@ 220° F		400/570	400/570
@ 240° F		440/600	440/600
@ 260° F		440/535	440/535
<b>Free Shrink (%)</b>	D2732-03		
@ 200° F		14/20	14/20
@ 220° F		22/33	22/33
@ 240° F		57/60	57/60
@ 260° F		77/77	77/77

LD = Longitudinal Direction / TD = Transverse Direction

This information represents our best judgment based on the work done. The company assumes no liability whatsoever in connection with the use of information or findings contained herein. Current data is based on limited samples and is subject to modification pending finalization.

Distributed by:



Shrink Packaging  
 100 Rogers Bridge Road  
 Duncan, SC 29334  
 866-773-4567 Fax: 864-433-2019  
 www.shrinkfilms.com

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 200 Riverfront Blvd, Elmwood Park, NJ 07407 [www.sealedair.com](http://www.sealedair.com)  
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