



VANGUARD SHRINK FILMS

www.vanguardshrinkfilms.com



CXV High Performance General Purpose Multilayer Shrink Film

Vanguard CXV is a clear biaxially oriented multilayer polyolefin shrink film with the versatility to shrink wrap a wide variety of products. Vanguard CXV is a cost effective alternative to cross-linked films. This film combines good gloss and sparkle with excellent shrink capabilities and can be run on most shrink wrapping equipment.



**FOR YOUR TOUGHEST
APPLICATIONS**



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VSF-CXV



CXV

Non Cross-linked Film

Specifications

Available In: 50, 60, 75, 100,
125 gauge

* 6" to 58" Centerfolded
In 2" increments.

* 6" to 84" Singlewound

* Custom Sizes are available
(Consult Factory)

* Microperf

* Printed Film (Consult Factory)
60ga, 75ga, 100ga, 125ga

FDA/USDA COMPLIANT

Vanguard Shrink Films
comply with U.S. Food and
Drug Administration (FDA)
requirements governing direct
food contact.

Manufacturing processes are
ISO 9001 and ISO 22000
certified

MSDS data sheets are available
upon request

- Excellent gloss and clarity for retail appeal
- Makes strong durable seals with impulse wire systems
- Fast seals over a broad sealing temperature range
- High tensile strength and puncture resistance for added toughness
- Excellent machinability on semi-automatic and automatic wrappers
- High percentage balanced shrink for attractive shrink appearance
- Corrosion free sealing with no fumes or wire build up
- Works well on a wide range of applications
- Will not embrittle with age

Properties	Unit	ASTM Test	Values				
Guage			50	60	75	100	125
Roll Length							
CF			5250'	4375'	3500'	2625'	2100'
SW			10500'	8750'	7000'	5250'	4200'
Tensile Strength							
MD	PSI	D882	16700	1600	1600	13800	12300
TD			1600	15200	15200	13100	11600
Tear Strength							
MD	Grams	D1922	10.5	14.5	17.5	23.5	28.5
TD			10	13.5	16	23	27
Elongation							
MD	%	D882	115	120	125	130	130
TD			110	115	115	125	125
Coefficient Of Friction							
Static		D1894	0.24	0.23	0.24	0.26	0.25
Dynamic			0.23	0.22	0.22	0.25	0.25
Optics							
Haze	%	D1003	2.2	2.6	3.2	3.9	4.5
Clarity		D1746	98	98	97	95	92
Gloss @ 45 Deg	%	D2457	85	85	83	81	80
Barrier							
Oxygen Transmission Rate	CC/M-2/Day	D3985	11300	10800	7200	5400	4500
Wate Vapor Transmission Rate	g/100sq/day	F1249	2	1.8	1.6	1.3	1
Shrink Properties							
Free Shrinkage	212 F %	D2732	22/31	22/31	20/28	20/28	20/28
	230 F %		23/45	23/45	34/45	34/45	34/45
	248 F %		58/63	58/63	57/60	57/60	57/60
	266 F %		65/67	65/67	64/65	64/65	64/65
Shrink Tension	212 F %	D2838	260/385		270/370		
	230 F %		390/510		415/530		
	248 F %		405/530		420/520		
	266 F %		375/455		390/440		



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A Shrink Tech Systems, L.L.C. Company

This information represents our judgment based on tests performed, however, Vanguard Shrink Films, Inc. assumes no liability whatsoever in connection with the use of this information or suggestions contained herein. They are given and accepted at the user's risk. We urge purchasers to conduct independent tests to determine final suitability for their specific application.