



Vanguard CXV

High performance 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 crosslinked films. This film combines good gloss and sparkle with excellent shrink capabilities and can be run on most shrink wrapping equipment.



VANGUARD PACKAGING FILMS DIVISION

Okura USA, Inc.
9970 Lakeview Avenue
Lenexa, KS 66219

Phone: 913-599-1111
Fax: 913-599-0096
Toll free: 800-772-1187



Vanguard CXV Highlights:

- ◆ Excellent sparkle and clarity for retail packaging needs
- ◆ 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 machineability on semi-automatic and automatic wrappers
- ◆ High percentage balanced shrink for attractive shrink appearance
- ◆ Corrosion free sealing with no fumes or wire build up
- ◆ Will not embrittle with age
- ◆ Good resistance to burn though created by tunnel temperature variations
- ◆ Works well on a wide range of end use applications

Typical Properties	ASTM Test Method	50G	60G	75G	100G
Minimum use temperature (F)		-40°	-40°	-40°	-40°
Haze (%)	D1003	1.8	1.9	2.1	2.4
Gloss (%)	D2457	135	135	135	130
Tensile strength (psi)	D882	17,000	17,000	17,000	17,000
Elongation at break (%)	D882	105	110	110	110
Stiffness modulus (psi)	D882	85,000	85,000	85,000	85,000
Tear strength (gms/ply)	D1922	7	10	12	14
Coefficient of friction (film to film:kinetic)	D1894	0.23	0.25	0.25	0.25
WVTR (gms/100si/24hrs)	F1249	2.0	1.8	1.6	1.3
Unrestrained shrink (%) @ 260°F	D2732	60	60	60	60

This information represents our judgement based on tests performed, but Okura USA, 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.