



# RH

# Rhino-Hide Opaque Films



Vanguard Shrink Films RH-CCL is an advanced biaxially oriented opaque cross-linked shrink film with the versatility to shrink wrap a wide variety of products. Vanguard RH-CCL is formulated and produced to ensure performance characteristics to meet even the toughest shrink wrapping applications and provide maximum concealment of your package content .

This film is compatible with nearly all shrink wrapping equipment in use today.



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## RH Highlights:



**VANGUARD**  
SHRINK FILMS

- ◆ RH films are designed to provide maximum concealment of your package content
- ◆ Strong durable seals on a wide variety of sealing systems
- ◆ High tensile strength and tear resistance for added toughness
- ◆ Consistent machineability on semi-automatic and automatic wrappers
- ◆ High percentage of shrink allows film to conform tightly to irregular shapes
- ◆ Corrosion free sealing with no fumes or wire build up
- ◆ Good resistance to burn though created by tunnel temperature variations
- ◆ Works well on a wide range of applications – multipacks, toys & games, baked goods, printed items
- ◆ Complies with FDA and USDA regulations governing direct contact food packaging



Typical Properties	ASTM Test Method	100G
Minimum use temperature (deg F)		-40
Haze (%)	D1003	NA
Gloss (%)	D2457	NA
Tensile strength (psi)	D882	15,000
Elongation at break (%)	D882	120
Stiffness modulus (psi)	D882	55,000
Tear strength (gms/ply)	D1922	15
Coefficient of friction (film to film:kinetic)	D1894	0.30
WVTR (gms/100si/24hrs)	F1249	0.9
OTR (cc/M2/24hrs)	D3985	5,400
Unrestrained shrink (%) @ 260°F	D2732	65
Shrink force @ 250°F (psi)	D2838	500
Impact strength (in-lbs)	D3420	15

This information represents our judgment based on tests performed, but 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.