



VCF Films, Inc.

S-405 Candle Film **Biaxially Oriented, High Shrink**

S-405 is a solvent-cast premium-grade film with exceptional clarity and sparkle. This film will shrink approximately 50% in both directions and has been formulated to provide exceptional stiffness and strength, and to resist the migration of plasticizer, dyes and other constituents of candle manufacturing. S-405 meets FDA requirements for food contact packaging and is specifically recommended for wrapping candles and other wax-based products.

Technical Data

Property	Units	Typical Values	Test Method	
Tensile Strength	p.s.i	17,000	ASTM D-882	
Yield Strength	p.s.i	8,000	ASTM D-882	
Elongation (75ga)	%	120	ASTM D-882	
Shrinkage @ 250F.	%	45 - 50	ASTM D 882	
Sealing Range	F	305-375	Sentinal 0.5 Sec., 30 p.s.i	
Water Vapor Trans, Rate per 100 in ² /24 hrs. @ 100F., 90%	grams	gauge 50 60 75 100 150	grams 5 4.5 3.5 ~2.00 Est.- Not Tested ~1.25 Est.- Not Tested	ASTM E-96-353-T Method E
Gas Permeability Per 100 in ² /24 hrs. @ 77°F, 1 atm	cm ³	O ₂ : 16	N ₂ : 1	CO ₂ : 47
Resistance to: Acids & Alkalis Greases & Oils			Good Excellent	

The information and suggestions contained herein represent the best information available to VCF Films, Inc., and we believe them to be reliable. They should not, however, be construed as controlling and are present without guarantee of performance either express or implied. We urge purchasers to conduct confirmatory tests to determine final suitability for their specific use. No statement with respect to use is intended as a positive recommendation for such use and no warranty with respect to infringement of patents held by others is made or intended.