



PERFORMANCE GUIDE

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GF9022-78 Opticlear® 3 Clear Polystyrene

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Description	Applications and End Uses			
Product	GF9022-78 is a 2.0 mil clear polystyrene film with a quick tack permanent adhesive and an unbleached 2.5 NK liner. The entire construction converts and prints on wider webs and higher-speeds than typical rubber based adhesive coated papers.	General-purpose clear film applications. Converts and dispenses easily. Ideal base stock for coupon labels.		
Face	Optically clear high gloss polystyrene is corona treated for printing. Designed for indoor use as a coupon base and as a primary label in non-conformable applications. Smooth containers should be used in labeling applications to avoid air bubble entrapment with automatic dispensing.			
	Physical Properties Without Adhesive			
	Caliper	2.0 mils	ASTM D2103	
	Tensile at Yield (MD/CD)	22.4/21.0 PPIW	ASTM D882	
	Tensile at Break (MD/CD)	24.5/22.0 PPIW	ASTM D882	
	Elongation at Yield	4.6/5.0%	ASTM D882	
	Elongation at Break (MD/CD)	48.5/5.0%	ASTM D882	
	1% Secant Modulus (MD/CD)	390,000/386,500 PSI	ASTM D882	
	Tear Strength (MD/CD)	21/35	ASTM D1922	
Adhesive	710VHP is a permanent, rubber-based adhesive with excellent tack and ultimate adhesion to a variety of surfaces including polystyrene, polypropylene, polyethylene, paper and corrugate. Suitable for cold, damp labeling applications. Exceptional high speed and wider web converting. Complies with FDA 21 CFR 175.105.			
	Physical Properties of Adhesive			
	Thickness, inches	0.0007 +/- 10%		
	Peel Adhesion, lbs./in.	Corrugate: 1.3	PSTC-101A (30 min. applied)	
		HDPE: 1.8		
		Stainless Steel: 2.7		
	Loop Tack (1"), lbs./in.	Corrugate: 2.3	PSTC-16	
		HDPE: 3.2		
		Stainless Steel: 4.8		
	Temperature Ranges			
	Minimum Application	+20°F (-7°C)	CTM #45 Curwood	
	Service Ranges	-65°F to +160°F (-54°C to +71°C)	Polyester Film Dry Surface	
Liner	An unbleached super-calendered natural kraft liner excellent for die cutting and stripping. The liner is coated with a release system designed specifically for label dispensing. Primarily for roll -to -roll applications.			
	Caliper, inches	0.0025 +/- 10%	TAPPI T-411	
	Basis Weight, lbs. (24" x 36"/500 sheets)	42 +/- 10%	TAPPI T-410	
Shelf Life	One year when stored at 72° F and 50% R.H.			

Opticlear® is a registered trademark of Morgan Adhesives Company

This product complies with CONEG regulations.

All MACTac Roll Label products meet the requirements of the Clean Air Act of 1990.

CALL 1-800-548-3456 for additional product information

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