



# PERFORMANCE GUIDE

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## GF9012-78 Vivid™ 3 Clear Polystyrene

Revised: 06/2019 KSM

### Description

#### Product

GF9012-78 is a 2.0 mil clear polystyrene film with a quick tack permanent adhesive and a 3.2 mil semi-bleached calendared kraft liner. The entire construction converts and prints on wider webs and higher-speeds than typical rubber based adhesive coated papers.

### Applications and End Uses

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.

#### 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

A semi-bleached super calendared kraft liner excellent for die cutting, stripping and label dispensing. Primarily for roll-to-roll applications, where a more demanding liner may be needed.

Caliper, inches	0.0032 +/- 10%	TAPPI T-411
Basis Weight, lbs. (24" x 36"/500 sheets)	50 +/- 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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