

Mitsubishi Chemical America, Inc.

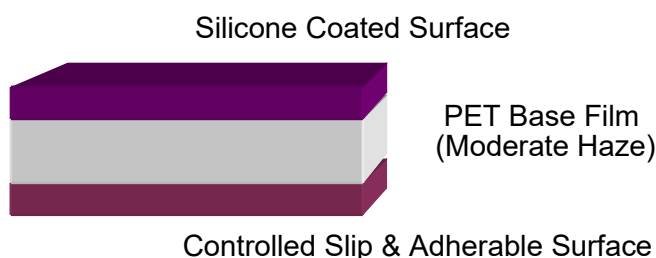
## Description

Hostaphan® 2ECKN polyester film is silicone coated on one side. This special silicone coating is formulated to give premium release from selected solvent based adhesives. The other side is specially treated with a slip control coating to ensure proper tracking of the film web. Along with high strength, flexibility, and chemical resistance, this product provides excellent slip and good dimensional stability over a wide temperature range.

## Performance

The silicone coating on Hostaphan® 2ECKN is specially treated prior to winding. This silicone formulation provides premium release from certain solvent based adhesives. The controlled slip surface may also act to improve adhesion to subsequent chemical treatments.

## Schematic of Hostaphan® 2ECKN



## Benefits

- Minimum silicone smear and rub-off
- Provides very consistent release level with aging
- Excellent handling characteristics
- Clear distortion free coating
- Better than 95% subsequent adhesion
- No static induced defects (Newton Rings)
- Improved static retention

### **WARNING:**

Silicone coated film is very slippery. Do not discard scrap film on the floor. Injury may result if stepped on.

## Typical Properties of Hostaphan® 2ECKN Film

The Hostaphan® 2ECKN property values below are typical measurements. Further guidance on series selection, functional behavior by end use, film processing, standard roll configuration and gauges is available through a Polyester Film Sales Representative.

Property		Unit of Measure	Typical Value	Test Method
Area Yield		in <sup>2</sup> •mil/lb m <sup>2</sup> •µm/kg	19,800 717	ASTM D 4321
Tensile Strength	MD	psi kg/cm <sup>2</sup>	30,000 2,100	ASTM D 882
Yield Strength (F5)	MD	psi kg/cm <sup>2</sup>	15,000 1,050	ASTM D 882
Ultimate Elongation	MD	%	115	ASTM D 882
Modulus	MD	psi kg/cm <sup>2</sup>	550,000 38,700	ASTM D 882
Coefficient of Friction A/B	Kinetic	--	0.20	ASTM D 1894
Shrinkage	MD TD	%	3.5 0.3	30 min. at 190°C
Density		g/cm <sup>3</sup>	1.395	ASTM D 1505
<b>SILICONE FUNCTIONALITY</b>				
Release		g/in	5 to 10	T-peel from TESA 4154 tape @ 12 in./min
Smear		--	None	Haze observed when rubbed once with index finger
Rub-off		--	None	Coating removed when rubbed hard with index finger

\* Values for reference data only. Contact a Polyester Film Sales Representative for actual gauges available.  
Approved RC 8/2013

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