

Mitsubishi Chemical America, Inc.

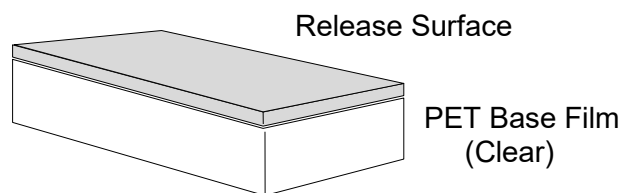
## Product Bulletin

**Description**

Hostaphan® 39RL is a clear polyester film, chemically treated on one side to provide a non-silicone release surface and improve handleability and roll quality. It combines high strength and durability, optical clarity, and excellent chemical resistance.

**Performance**

Hostaphan® 39RL provides a unique balance between clarity and handling characteristics. It is designed for use in applications that require release without backside transfer.

**Schematic of Hostaphan® 39RL****Benefits**

- Non-Silicone release
- Good handling characteristics
- Good clarity
- Reduced potential for scratching
- Good dimensional stability
- Available gauges: 200, 300

## Typical Properties of Hostaphan® 39RL Film

The Hostaphan® 39RL 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 2110	ASTM D 882
Yield Strength (F5)	MD	psi kg/cm <sup>2</sup>	15,000 1050	ASTM D 882
Ultimate Elongation	MD	%	150	ASTM D 882
Modulus	MD	psi kg/cm <sup>2</sup>	500,000 35,200	ASTM D 882
Coefficient of Friction (A/B)	Kinetic	--	0.40	ASTM D 1894
Shrinkage	MD TD	%	1.2 0.4	30 min. at 150°C
Density		g/cm <sup>3</sup>	1.395	ASTM D 1505
Total Haze*		% 200 gauge 300 "	2.2 2.5	ASTM D-1003

\* Values for reference data only. Contact a Polyester Film Sales Representative for actual gauges available.

Approved RC 5/2016

Mitsubishi Chemical America, Inc. • PO Box 1400 • 2001 Hood Road • Greer, SC 29652 • 864-879-5000 • 864-879-5006 • [www.m-petfilm.com](http://www.m-petfilm.com)

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