74SLK, 7BLK, 7SLK
Ultra Clear Silicone Liners

Mitsubishi Chemical America, Inc.

Product Bulletin

Description

Hostaphan™ 74SLK, 7BLK, and 7SLK are ultra-clear polyester films that are silicone treated on one side and slip treated on the other side to improve handleability. Along with high strength, flexibility, and chemical resistance, these products provide consistent release, excellent slip, and good dimensional stability over a wide temperature range.

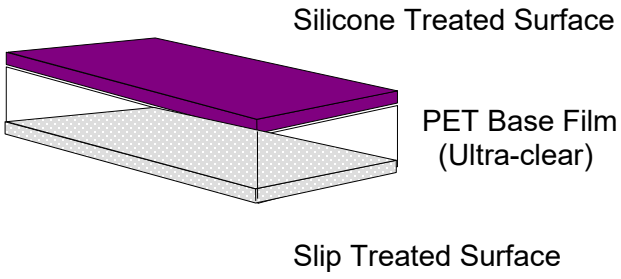
Performance

Hostaphan™ 74SLK, 7BLK, and 7SLK are used in decorative and metallized products, solar control and other applications where surface smoothness and brilliance are required. The silicone coating is specially applied prior to winding. This special treatment minimizes back-side transfer of the silicone to adhesives which may be in contact with the film. The slip modified surface provides excellent handling characteristics.

Benefits

- Heat shapeable
- Ultra-smooth surface
- Ultra-thin coatings
- Provides very consistent release properties with aging
- Excellent handling characteristics

Schematic of Hostaphan™ 74SLK, 7BLK, 7SLK



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™ 74SLK, 7BLK, and 7SLK Films

The Hostaphan™ 74SLK, 7BLK, and 7SLK 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		ft^2/lb m^2/kg	23 µm (92 gauge)	149.5 30.6	ASTM D 4321
Tensile Strength	MD	psi kg/cm^2		31,000 2,180	ASTM D 882
Yield Strength (F5)	MD	psi kg/cm^2		15,000 1,050	ASTM D 882
Ultimate Elongation	MD	%		115	ASTM D 882
Modulus	MD	psi kg/cm^2		550,000 38,700	ASTM D 882
Coefficient of Friction (Si/Non-Si)	Kinetic	--		0.30	ASTM D 1894
Shrinkage	MD TD	%		2.1 0.0	30 min. at 150°C
Density		g/cm^3		1.395	ASTM D 1505
Total Haze*		%	23 µm (92 gauge)	1.0	ASTM D-1003

SILICONE FUNCTIONALITY

Recommended Release Film		7BLK 74SLK 7SLK ↑	Aggressiveness of Adhesive	
Re-adhesion	% % %	7SLK 74SLK 7BLK	> 95 > 95 > 95	Effect on tackiness of TESA 7475 tape to aluminum foil after contact with silicone coating

* Values for reference data only. Contact a Polyester Film Sales Representative for actual gauges available.
Approved MG 4/2016

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