

Mitsubishi Chemical America, Inc.

Description

Hostaphan® 2MDKN polyester film is one side silicone coated for higher release force applications. 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® 2MDKN is formulated to give higher release force for tight release applications. The coating is highly cured which minimizes back-side transfer of the silicone and results in essentially no migration of silicone to any adhesive which may be in contact with the film.

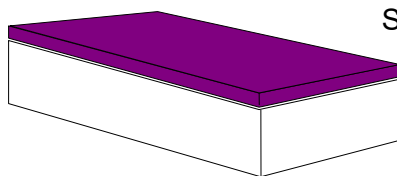
WARNING:

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

Benefits

- Minimum silicone rub-off
- Provides very consistent release level with aging
- Highly cured coating that does not smear
- Better than 95% subsequent adhesion

Schematic of Hostaphan® 2MDKN



Silicone Coated Surface

PET Base Film
(Moderate Haze)

Typical Properties of Hostaphan® 2MDKN Film

The Hostaphan® 2MDKN 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. The following values are not binding specifications and may vary.

| Property | Unit of Measure | | Typical Value | Test Method | |
|-----------------------------|------------------------|---|-----------------|------------------|-------------|
| Area Yield | 118 gauge (30 µm) | in ² /lb m ² /kg | 16,776 23.9 | ASTM D 4321 | |
| | 142 gauge (35.5 µm) | in ² /lb m ² /kg | 14,000 19.0 | ASTM D 4321 | |
| | 200 gauge (50 µm) | in ² /lb m ² /kg | 9,901 14.1 | ASTM D 4321 | |
| | 300 gauge (75 µm) | in ² /lb m ² /kg | 6,601 9.4 | ASTM D 4321 | |
| Tensile Strength | MD | psi kg/cm ² | 30,000 2,100 | ASTM D 882 | |
| Ultimate Elongation | MD | % | 115 | ASTM D 882 | |
| Coefficient of Friction A/B | Kinetic | -- | 0.20 | ASTM D 1894 | |
| Shrinkage | MD | % | 1.5 | 30 min. at 150°C | |
| | TD | | 1.5 | | |
| Density | | g/cm ³ | 1.395 | ASTM D 1505 | |
| Total Haze* | | % | 118 gauge | 8.0 | ASTM D-1003 |
| | | | 142 " | 9.0 | |
| | | | 200 " | 11.0 | |
| | | | 300 " | 13.0 | |

SILICONE FUNCTIONALITY

| | | | | |
|----------------------------|------|---------|-----------|---|
| Release from Silicone Side | g/in | 50 – 70 | Room Temp | T-Peel from Tesa 7475 Tape @ 12"/min |
| Smear | -- | None | | |
| Rub-off | -- | None | | |

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

Approved DJ 2/2014

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