**S-350**

S-350 grade is a bi-axially oriented transparent balanced shrink grade polyester film with no surface treatment. The film possesses balanced thermal characteristics.

### Main Features:
- Excellent machinability
- Thermally balanced shrinkage at elevated temperature.
- Good optical properties.

### Applications:
- Suitable for Thermal lamination applications.

### PROPERTIES | TEST METHOD | UNIT | TECHNICAL DATA S-350
---|---|---|---
**PHYSICAL**
Thicknes| ASTM D-374 | Micron | 10  12  15  23  36  50
Yield | SPTM | m²/kg | 71.4  59.5  47.6  31  19.8  14

**OPTICAL**
Haze (Max) | ASTM D-1003 | % | 3.0  3.5  3.5  3.5  4.0  4.0
Total luminous transmittance | ASTM D-1003 | % | 85  85  85  83  81  81

**MECHANICAL**
Tensile strength (Min) | MD: ASTM D-882 | Kg/cm² | 2000  2000  2000  2000  1900  1900
| TD: ASTM D-882 | Kg/cm² | 1900  1900  1900  1900  1800  1800
Elongation (Min) | MD: ASTM D-882 | % | 90  90  90  90  100  100
| TD: ASTM D-882 | % | 90  90  90  90  90  90
Coefficient of friction (Side-A / B) (Max) | ST: ASTM D-1894 | - | 0.65  0.65  0.65  0.60  0.60  0.60
| DY: ASTM D-1894 | - | 0.60  0.60  0.60  0.55  0.55  0.55

**THERMAL**
Shrinkage (MAX) | MD: ASTM D-1204 | % | 1-2  1-2  1-2  1-2  1-2  1-2
| TD: ASTM D-1204 | % | 1-2  1-2  1-2  1-2  1-2  1-2

**SURFACE**
Wetting tension | ASTM D-2578 | Dyne / cm | 44-46  44-46  44-46  44-46  44-46  44-46

**BARRIER**
WVTR (38°C & 90% RH) (Max) | ASTM F-1249-06 | gm/m²/day | 55  45  38  27  22  18
OTR (23°C & 0% RH) (Max) | ASTM D-3985-05 | cc/m²/day | 139  115  92  72  52  32

**Note:** Thickness other than mentioned above can be given on customer requirements.

SPTM: SUMILON POLYESTER TEST METHOD, MD: MACHINE DIRECTION, TD: TRANSVERSE DIRECTION

**DISCLAIMER**
The values given in this technical datasheet are typical performance data and are believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. Sumilon Polyester Films Limited suggests the customer to confirm these values and product compatibility prior to their use and the company offers neither guarantee nor accepts any responsibility for the fitness of the product for any particular use.