S-550 grade is a bi-axially oriented twist grade polyester film suitable for twist wrap packaging for confectionery.

### Main Features:
- Good mechanical and thermal properties.
- Good optical and thermal properties.
- Excellent fold retention properties.

### Applications:
- Candy, toffees wrapping (Hot & Cold).
- Printing, Metallizing and Lamination.

### TECHNICAL SPECIFICATION SHEET

**SUPET® (BIAXILALLY ORIENTED POLYESTER FILMS)**

### PROPERTIES | TEST METHOD | UNIT | TECHNICAL DATA S-550
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**PHYSICAL**
Thickness | ASTM D-374 | Micron | 12 | 15 | 18 | 23
Yield | SPTM | m²/kg | 59 | 47.6 | 39.7 | 31
**OPTICAL**
Haze (Max) | ASTM D-1003 | % | 2.0 | 2.5 | 3.0 | 3.5
**MECHANICAL**
Tensile strength (Min) | MD | ASTM D-882 | Kg/cm² | 2200 | 2200 | 2000 | 1900
| TD | ASTM D-882 | Kg/cm² | 2200 | 2200 | 2000 | 1900
Elongation (Min) | MD | ASTM D-882 | % | 100 | 100 | 90 | 90
| TD | ASTM D-882 | % | 80 | 80 | 80 | 80
Coefficient of friction (Side-A / B) (Max) | ST | ASTM D-1894 | - | 0.55 | 0.55 | 0.55 | 0.50
| DY | ASTM D-1894 | - | 0.50 | 0.50 | 0.50 | 0.45
**THERMAL**
Shrinkage (MAX) (150°C / 30 min) | MD | ASTM D-1204 | % | 30 | 30 | 30 | 30
| TD | ASTM D-1204 | % | 33 | 33 | 33 | 33
**SURFACE**
Wetting tension (UT) | ASTM D-2578 | Dyne / cm | 44 – 46 | 44 – 46 | 44 – 46 | 44 – 46
**BARRIER**
WVTR (38 °C & 90% RH) (Max) | ASTM F-1249-06 | gm/m²/day | 45 | 38 | 30 | 27
OFR (23°C & 0% RH) (Max) | ASTM D-3985-05 | cc/m²/day | 115 | 92 | 80 | 72

**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.