



## Isotropic Polyester Film Chemical coated (TTCCH)

**KEY FEATURES** - SPARSHPET -TTCCH is an optically clear transparent chemical coated film with high clarity low haze, high gloss. The film Possesses good optical and surface properties along with excellent transparency and dimensional stability. TTCCHI as chemical wound inside and TTCCHO as chemical wound outside.

**APPLICATIONS**-Suitable specially in application of lidding for cups, trays and tubes e.g. Yogurt, Ice cream, beverages, packaged Food trays etc.

### TECHNICAL DATA SHEET

| Properties                    | Unit                       | Test Method        | Typical Values |            |            |            |
|-------------------------------|----------------------------|--------------------|----------------|------------|------------|------------|
| <b>General</b>                |                            |                    |                |            |            |            |
| Thickness                     | Micron                     | SIPL               | 12±0.3         | 23±0.4     | 36±0.4     |            |
| Yield                         | M <sup>2</sup> /Kg         | SIPL               | 59.5           | 31.1       | 19.8       |            |
| <b>Mechanical</b>             |                            |                    |                |            |            |            |
| Tensile Strength (MIN)        | MD                         | Kg/cm <sup>2</sup> | ASTM-D 882     | 2100       | 2000       | 2000       |
|                               | TD                         |                    |                | 2000       | 1900       | 1900       |
| Tensile Strength (MIN)        | Tensile Strength +45°      | Kg/cm <sup>2</sup> | ASTM-D 882     | 2200       | 2200       | 2000       |
|                               | Tensile Strength -45°      |                    |                | 2300       | 2300       | 2200       |
| Elongation (MIN)              | MD                         | %                  | ASTM-D 882     | 120±20     | 120±20     | 120±20     |
|                               | TD                         |                    |                | 120±20     | 120±20     | 120±20     |
| Elongation                    | Elongation +45°            | %                  | ASTM-D 882     | 115±10     | 100±10     | 100±10     |
|                               | Elongation -45°            |                    |                | 100±10     | 90±10      | 90±10      |
| Ratio                         | Tensile Strength +45°/-45° |                    | ASTM-D 882     | 0.75 - 1.2 | 0.75 - 1.2 | 0.75 - 1.2 |
|                               | Elongation +45° /-45°      |                    |                | 0.70 - 1.4 | 0.70 - 1.4 | 0.70 - 1.4 |
| <b>Surface</b>                |                            |                    |                |            |            |            |
| Co-efficient of Friction(COF) | Static                     |                    | ASTM-D 1894    | 0.40±0.1   | 0.40±0.1   | 0.40±0.1   |
|                               | Dynamic                    |                    |                | 0.30±0.1   | 0.30±0.1   | 0.30±0.1   |
| Wetting Tension (Min)         | Plain Side                 | Dyne/cm            | ASTM-D 2578    | 44         | 44         | 44         |
| <b>Optical</b>                |                            |                    |                |            |            |            |
| Haze (Max)                    |                            | %                  | ASTM-D 1003    | 3.0        | 3.5        | 4.0        |
| <b>Thermal</b>                |                            |                    |                |            |            |            |
| Shrinkage @ 150 C/30'         | MD                         | %                  | ASTM-D 1204    | 2.0±0.5    | 2.0±0.5    | 2.0±0.5    |
|                               | TD                         |                    |                | 0.2±0.2    | 0.2±0.2    | 0.2±0.2    |

**Disclaimer:** The data sheet information is to the best of our knowledge and experience. Some values may be customized wherever possible, as per the customer's requirement. Sparsh Industries Pvt. Ltd. makes no warranty to the product fitness for any specific use. Data sheet is purely for reader's consideration and verification for sale or contract.

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