



## Metallized Chemical Coated High Barrier Film (M-CCH)

**KEY FEATURES**-M-CCH is Bi-axially oriented Vacuum high Barrier Metallized film. Metallize on chemical coated surface and other plain surface. It has excellent barrier properties, enhanced high bond strength between metal to film, excellent machinability and high gloss.

**APPLICATIONS**- Suitable for food packaging application like hot fill of Coffee, Juice & Sauces etc.

### TECHNICAL DATA SHEET

| Properties                              | Unit               | Test Method            | Typical Values |         |         |         |
|---|--------------------|------------------------|----------------|---------|---------|---------|
| <b>General</b>                          |                    |                        |                |         |         |         |
| Thickness                               | Micron             | SIPL                   | 8±0.2          | 10±0.2  | 12±0.3  |         |
| Yield                                   | M <sup>2</sup> /Kg | SIPL                   | 89.3           | 71.4    | 59.5    |         |
| <b>Optical</b>                          |                    |                        |                |         |         |         |
| Optical Density (Tolerance +/-5%)       |                    | SIPL                   | 2.2            | 2.2     | 2.2     |         |
| <b>Mechanical</b>                       |                    |                        |                |         |         |         |
| Tensile Strength (Min)                  | MD                 | Kg/cm <sup>2</sup>     | ASTM-D 882     | 2000    | 2000    | 2000    |
|   | TD                 |                        |                | 1900    | 1900    | 1900    |
| Elongation                              | MD                 | %                      | ASTM-D 882     | 120±20  | 120±20  | 120±20  |
|   | TD                 |                        |                | 120±20  | 120±20  | 120±20  |
| <b>Surface</b>                          |                    |                        |                |         |         |         |
| Surface Tension (Min)                   | Dyne/cm            | Metalized side         | ASTM-D 2578    | 56      | 56      | 56      |
| Metal Anchorage (without support) (Min) | Metal side         | Gram/25 mm             | AMICALTP-105   | 600     | 600     | 600     |
| <b>Thermal</b>                          |                    |                        |                |         |         |         |
| Shrinkage @ 150°C/30'                   | MD                 | %                      | ASTM-D 1204    | 2.0±0.5 | 2.0±0.5 | 2.0±0.5 |
|   | TD                 |                        |                | 0.4±0.2 | 0.4±0.2 | 0.4±0.2 |
| <b>Barrier</b>                          |                    |                        |                |         |         |         |
| MVTR (38°C/ 90% RH)                     |                    | g/m <sup>2</sup> /day  | ASTM F-1249    | <1.0    | <1.0    | <1.0    |
| Oxygen Permeability(25°C/ 0 % RH)       |                    | cc/m <sup>2</sup> /day | ASTM D 3985-95 | <1.0    | <1.0    | <1.0    |

**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, whatsoever, to the product fitness for any specific use. Data sheet is purely for reader's consideration and verification for sale or contract.

### Sparsh Industries Pvt. Ltd.

**Regd. Office:**

Sparsh House, 165, Patparganj Industrial Area,  
Delhi- 110092 , INDIA  
Tel: (+91) 11 42654646 / 42654747 Fax: (+91) 11 43086464

**Factory Address:**

**Unit:1** - G12 to G21, UPSIDC, Industrial Area, Jainpur,  
Kanpur Dehat, 209311, Uttar Pradesh, INDIA

**Unit:2** – AH-01, NH-19, between Milestone 421-422,  
Vill. Kumbhi, Akbarpur, Kanpur Dehat – 209101  
Uttar Pradesh, INDIA

Email: info@sparshgroup.in

Website: www.sparshgroup.in



IMS + HACCP CERTIFIED