

## CEL-MET™ BOPP METALLIZED POLYPROPYLENE FILM Typical Values Metal One Side, Heat Sealable Other Side

A metallized co-extruded bi-axially oriented polypropylene with the following features:

- Wide seal range
- Good hot tack
- Excellent web flatness
- Superior metal adhesion and resistance to “crazing” from extrusion lamination
- Outstanding light and moisture barrier

| Properties            | Typical Values   |          | Units                    | Test Method                      |
|-----------------------|------------------|----------|--------------------------|----------------------------------|
| Thickness             | 15               | 18       | μm                       |                                  |
| Yield                 | 73,7             | 62,6     | m <sup>2</sup> /kg       |                                  |
| Heat Seal Initiation  | 105              |          | °C                       | 0.5 s/ 30 psi                    |
| Tensile Strength      | 117,2<br>206,8   | MD<br>TD | N/mm <sup>2</sup>        | ASTM D882                        |
| Elongation at Break   | 190<br>70        | MD<br>TD | %                        | ASTM D882                        |
| Tensile Modulus       | 1723,7<br>3102,6 | MD<br>TD | N/mm <sup>2</sup>        | ASTM D882                        |
| Dimensional Stability | < 5<br>< 3       | MD<br>TD | %                        | 5 min, 130 ° C                   |
| Optical Density       | 2.0              |          | Tobias Densitometer      | CMP OD-1                         |
| Light Transmission    | < 1.0            |          | %                        |                                  |
| WVTR                  | < 0,5            |          | g/m <sup>2</sup> /24 hr  | ASTM D1894                       |
| OTR                   | < 65             |          | cc/m <sup>2</sup> /24 hr | ASTM D-3985<br>(73.4° F, 50% RH) |

The polypropylene side is in compliance with the regulation FDA 21 CFR 177.1520 (c) (1.1) and (3.1)

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