

DURAMET® BOPP TOP-COATED & METALLIZED POLYPROPYLENE FILM

Experimental Data Sheet

Top-Coated and Metallized One Side, Heat Sealable Other Side

Metacoat® top-coated and metallized co-extruded bi-axially oriented polypropylene with the following features:

- Superior metal adhesion formulated for surface printing
- Excellent cold seal adhesion to non-metallized surface
- Heat sealable, standard seal range polymer
- Outstanding oxygen and moisture barrier

| Properties | DM30 | | Unit | Test Method |
|---|----------------|----------|---------------------------|-------------------------------|
| Yield | 35,5 | | m ² /kg | |
| Thickness | 1.20 30 | | Mil µm | |
| Optical Density | 2.0 | | % | Tobias densitometer |
| Tensile Strength | 17,0 30,0 | MD TD | N/mm ² | ASTM D882 |
| Secant Modulus | 250,0 450,0 | MD TD | N/mm ² | ASTM D882 |
| Elongation | 190 70 | MD TD | % | ASTM D882 |
| Shrinkage | < 5 | MD | % | 5 min. 130° C (air oven) |
| | < 3 | TD | | |
| Co-efficient of Friction (Sealable side to sealable side) | 0.45 | Static | | ASTM D1894 |
| | 0.30 | Kinetic | | |
| (Metal to metal side) | 0.6 | Static | | |
| | 0.5 | Kinetic | | |
| Heat Seal Range | 100 - 150 | | Deg. C | 1/2 sec. 30 Psi |
| Water Vapor Transmission | 0,1 | | g/m ² /24 hr. | ASTM F1249 37,8° C, 90% RH |
| Oxygen Transmission | 8 | | cc/m ² /24 hr. | ASTM D3985 23° C, 50% RH |

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

Non-objection approval letter is on file from Health Protection Branch of Canadian Food Inspection Agency (CFIA).

This film also complies with relevant requirements of the Swiss Chemicals Ordinance SR 813.11(ChemO) and European Regulation No. 10/2011 for food contact.

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