

# DURAMET<sup>®</sup> CPP

## METALLIZED CAST POLYPROPYLENE FILM

### Developmental Data Sheet

**Metallized and Top-coated One Side, Heat Sealable Other Side**

High barrier metallized and top-coated cast polypropylene. A highly reflective, low-slip surface in a differentiated copolymer polypropylene. Provides good machineability and side weld seals. Suitable for medical and gel-sensitive laminations. Intended for use as a combined barrier and sealant layer for functional source reduction. *Available 1.0 mil – 2.0 mil*

| Properties                        | Typical Value |                | Units                         | Test Method                             |
|-----------------------------------|---------------|----------------|-------------------------------|-----------------------------------------|
| <b>Yield</b>                      | 25,600        |                | in <sup>2</sup> /lb           |                                         |
| <b>Thickness</b>                  | 1.20<br>30    |                | mil<br>μm                     |                                         |
| <b>Tensile Strength</b>           | MD<br>TD      | 6,300<br>2,800 | psi                           | ASTM D882                               |
| <b>Minimum Heat Seal Strength</b> | 512           |                | g/in                          | ASTM F 88-85<br>0.5 sec, 60 psi, 230° F |
| <b>Ultimate Seal Strength</b>     | 2,500         |                | g/in                          | ASTM F 88-85<br>0.5 sec, 60 psi, 252° F |
| <b>Elongation</b>                 | MD<br>TD      | 400<br>500     | %                             | ASTM D882                               |
| <b>Optical Density</b>            | 2.0           |                | Tobias                        | CMP OD-1                                |
| <b>Light Transmission</b>         | < 1.0         |                | %                             |                                         |
| <b>Coefficient of Friction</b>    | Kinetic       | 0.18           | -                             | ASTM D1894                              |
| <b>WVTR</b>                       | 0.02          |                | g/100in <sup>2</sup> /24 hr.  | ASTM E-398<br>(100° F, 90% RH)          |
| <b>OTR</b>                        | 0.5           |                | cc/100in <sup>2</sup> /24 hr. | ASTM D-3985<br>(73.4° F, 50% RH)        |
| <b>Metal Adhesion</b>             | 300           |                | g/in                          | CMP MA-1                                |

The CPP side complies with the regulation FDA 21 CFR 177.1520 (3.1).

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