

## XP9400 series

### Description

|                                  |   |  |
|----------------------------------|---|--|
| <b>Characteristics</b>           | <ul style="list-style-type: none"> <li>▪ Excellent Toughness and Stiffness</li> <li>▪ High clarity and gloss</li> </ul> | <ul style="list-style-type: none"> <li>▪ Excellent Throughput</li> <li>▪ Excellent Stretchability</li> </ul> |
| <b>Applications</b>              | <ul style="list-style-type: none"> <li>▪ Stretch Wrap Film</li> <li>▪ Food Packaging Wrap</li> </ul>                    | <ul style="list-style-type: none"> <li>▪ Silage Film</li> </ul>  |
| <b>Processing Recommendation</b> | Processing Temperature 210~250°C  |  |
| <b>Specification data</b>        | Complies with FDA 21 CFR 177.1520   |  |

### Physical Properties – Stretch Wrap & Silage Wrap Film

| Resin Properties                   | Unit              | Test Method | XP9400 | XP9400S |
|------------------------------------|-------------------|-------------|--------|---------|
| <b>Density</b>                     | g/cm <sup>3</sup> | ASTM D1505  | 0.915  | 0.917   |
| <b>Melt Index (190°C, 2.16 kg)</b> | g/10min           | ASTM D1238  | 3.7    | 3.7     |
| <b>Vicat Softening Temperature</b> | °C                | ASTM D1525  | 103    | 105     |
| <b>Melting Temperature</b>         | °C                | ASTM D3418  | 114    | 115     |
| <b>Additives</b>                   |                   |             | AO     | AO      |

  

| Film Properties                         | Unit               | Test Method | XP9400  | XP9400S |
|---|--------------------|-------------|---------|---------|
| <b>Tensile Strength at Break, MD/TD</b> | kg/cm <sup>2</sup> | ASTM D882   | 450/370 | 455/380 |
| <b>Elongation at Break, MD/TD</b>       | %                  | ASTM D882   | 470/650 | 460/630 |
| <b>Dart Impact Strength(A)</b>          | gf                 | ASTM D1709  | 550     | 450     |
| <b>Haze</b>                             | %                  | ASTM D1003  | 0.3     | 0.6     |
| <b>Gloss(45°)</b>                       | -                  | ASTM D2457  | 100     | 98      |

1. Film Processing Condition : Φ50mm Cast Film Extruder, 250°C, Film thickness 0.022mm

2. Additives : AO (Antioxidant)

3. These are typical properties only and are not to be construed as specifications.

\*NOTICE: Prior to use for any commercial purpose, the customer is fully responsible for determining its suitability for intended application and for ensuring its disposal practices are in compliance with applicable laws and other governmental enactments. DAELIM assumes no obligation or liability in this regard.

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