

XP5300 series

Description

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|----------------------------------|---|--|
| Characteristics | <ul style="list-style-type: none"> ▪ Excellent Toughness and Stiffness ▪ High Clarity and Gloss | <ul style="list-style-type: none"> ▪ Very small amount of Extractables ▪ Excellent Heat Seal Properties at lower Temperature |
| Applications | <ul style="list-style-type: none"> ▪ Lamination Films ▪ Agricultural Films | <ul style="list-style-type: none"> ▪ High Strength Films |
| Processing Recommendation | Processing Temp. 150~170°C / BUR 2.0~3.0 | |
| Specification data | Complies with FDA 21 CFR 177. 1520 | |

Physical Properties – Film

| Resin Properties | Unit | Test Method | XP5300 | XP5300EN |
|--|--------------------|-------------|----------------|----------|
| Density | g/cm ³ | ASTM D1505 | 0.915 | 0.914 |
| Melt Index (190°C, 2.16 kg) | g/10min | ASTM D1238 | 2.0 | 2.0 |
| Vicat Softening Temperature | °C | ASTM D1525 | 101 | 97 |
| Melting Temperature | °C | ASTM D3418 | 112 | 112 |
| Additives | - | - | AO, PPA, AB, S | AO, PPA |
| Film Properties | Unit | Test Method | XP5300 | XP5300EN |
| Tensile Strength at Break, MD/TD | kg/cm ² | ASTM D882 | 550/430 | 550/430 |
| Elongation at Break, MD/TD | % | ASTM D882 | 610/650 | 610/650 |
| Tear Strength, MD/TD | kg/cm | ASTM D1004 | 110/115 | 110/115 |
| Dart Impact Strength (A) | gf | ASTM D1709 | 300 | 300 |
| Haze | % | ASTM D1003 | 15 | 15 |
| Gloss(45°) | - | ASTM D2457 | 89 | 89 |
| Seal Initiation Temperature (HGT, 2.8KG, 0.5sec) | °C | Daelim | 93 | 93 |

1. Film Processing Condition : Φ40mm Blown Film Extruder, 180°C, BUR 2.5, Φ100mm Die, Film thickness 0.030mm
2. Additives : AO (Antioxidant), AB (Anti Blocking Agent), S (Slip Agent), PPA (Polymer Processing Aid)
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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