



## XB 81841.16

### Main Characteristics

- Film for products for adult incontinence
- Film for diapers backsheet
- Film for products for femine hygiene
- Complies with Regulation U.S. FDA 21 CFR 177.1520 (c) 3.2a  
Complies with Regulation Europe EU-Directive 2002/72/EC  
Consult the regulations for complete details.

### Physical Properties<sup>(1)</sup>

| Resin Properties                                           | Methods     | English      | S.I.         |
|------------------------------------------------------------|-------------|--------------|--------------|
| Melt Index,<br>(I <sub>2</sub> ) a 190°C/2,16 kg, g/10 min | ASTM D 1238 | 6.0          | 6,0          |
| Density, g/cm <sup>3</sup>                                 | ASTM D 792  | 0.947        | 0,947        |
| <b>Film Properties (20 um)</b>                             |             |              |              |
| Dart Impact Method A, g                                    | ASTM D 1709 | 52           | 52           |
| Elmendorf Tear, g                                          | MD<br>CD    | 42.5<br>84.4 | 42,5<br>84,4 |
| Secant Modulus - CD<br>@ 2%, psi (MPa)                     | ASTM D 882  | 47442        | 327          |
| Tensile Strength at Yield, psi (MPa)                       | MD<br>CD    | 2190<br>2190 | 12.1<br>15.1 |
| Tensile Strength at Break, psi (MPa)                       | MD<br>CD    | 2196<br>2293 | 15.1<br>15.8 |
| Tensile Elongation at Break, psi (MPa)                     | MD<br>CD    | 265<br>85    | 265<br>85    |

### Recommended Processing Conditions for extrusion Cast for 20 um thick film:

- Die gap: 0,3 mm
- Line Speed: 19,7 m/min
- Melt Pressure: 81 bar
- Melt Temperature: 235°C
- Output: 7 kg/h
- Speed: 75 rpm

(1) Typical values, no to be considered as specifications. Users should confirm these values with their own tests.

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