

**LONGLITE® PBAT BT12-203**

 Chang Chun Plastics Co., Ltd. (CCP Group) - *Thermoplastic Polyester*
**General Information**
**Product Description**

PBAT Compound BT12-203 is a biodegradable polyester for blown film extrusion.

**General**

|                   |   |
|-------------------|---|
| Material Status   | • Commercial: Active                    |
| Availability      | • Asia Pacific • Europe • North America |
| Additive          | • Mold Release                          |
| Features          | • Biodegradable                         |
| Forms             | • Pellets                               |
| Processing Method | • Blown Film                            |

**Properties <sup>1</sup>**

| Physical                                     | Nominal Value | Unit              | Test Method |
|--|---------------|-------------------|-------------|
| Density                                      | 1.37          | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)    | 3.4           | g/10 min          | ISO 1133    |
| Water Absorption (Equilibrium, 73°F, 50% RH) | 0.20          | %                 | ISO 62      |
| Films  | Nominal Value | Unit              | Test Method |
| Tensile Modulus                              |               |                   | ISO 527-3   |
| MD   | 17400         | psi               |             |
| TD   | 18900         | psi               |             |
| Tensile Stress                               |               |                   | ISO 527-3   |
| MD : Break                                   | 3630          | psi               |             |
| TD : Break                                   | 3630          | psi               |             |
| Tensile Elongation                           |               |                   | ISO 527-3   |
| MD : Break                                   | 300           | %                 |             |
| TD : Break                                   | 800           | %                 |             |
| Thermal                                      | Nominal Value | Unit              | Test Method |
| Melting Temperature <sup>2</sup>             | > 257         | °F                | ISO 11357-3 |

**Processing Information**

| Extrusion              | Nominal Value | Unit |
|------------------------|---------------|------|
| Suggested Max Moisture | 0.040         | %    |
| Melt Temperature       | 284 to 374    | °F   |

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 10°C/min
