



TECHNICAL DATA SHEET

N1012

1730 NE Miller Street
 McMinnville, OR 97128
 (503) 434-5561

| GENERAL PROPERTIES | METHOD | UNIT | TYPICAL VALUES |
|---------------------------------------|-------------------|-------------------|------------------------|
| Nature and designation | ISO 1874 | - | PA 1012-P, EHL, 22-003 |
| <i>Bio Based Carbon (calculation)</i> | ASTM D6866 | % | > 40 |
| Density | ISO 1183 | g/cm ³ | 1.05 |
| Humidity Absorption | Similar to ISO 62 | % | 1.6 |
| Melting Point | ISO 11357 | °C | 182 |
| Heat deflection temperature (HDT) | | | |
| under 0.45 MPa | ISO 75 | °C | 130 |
| under 1.80 MPa | | °C | 45 |
| Tensile test (*) | | | |
| Stress at yield | ISO 527 | MPa | 25 |
| Strain at break | | % | > 50 |
| Tensile modulus (*) | ISO 527 | MPa | 330 |
| Charpy impact (*) | | | |
| unnotched 23°C | IS 179/1eU | kJ/m ² | No break |
| unnotched -30°C | " | " | No break |
| notched 23°C | IS 179/1eA | " | No break |
| notched -30°C | " | " | 7 |
| Volume resistivity (*) | IEC 60093 | Ω.m | 10 ⁹ |

(*) Samples conditioned 15 days, 23°C – 50 % R.H.

| PROCESSING CONDITIONS | TYPICAL VALUES |
|--|-----------------------|
| Drying: time / temperature | 4-hours / 80-90°C |
| Extrusion temperature: min / recommended / max | 210°C / 230°C / 260°C |

This information has been gathered from standard reference materials and/or test data that is believed to be accurate and reliable. Nothing herein shall be deemed to be a warranty or representation, express or implied, with respect to the use of such information or the use of the goods described for any particular purpose alone or in combination with other goods and/or processes, or that their use does not conflict with existing patent rights. No license is granted to practice any patented invention. It is offered solely for your consideration, investigation, and verification.