

# Grade P502

## Polyethylene for Geomembrane

### Description:

**P502** is a Polyethylene resin special designed for geomembrane applications produced by advanced bimodal Hostalen process. The resin offers an outstanding balance between processing and sheet properties, included tensile, thermal resistance and ESCR for geomembrane applications.

| Physical Properties:                      | Method     | Unit              | Value            |
|---|------------|-------------------|------------------|
| <b>Melt Flow Rate (190°C, 2.16kg)</b>     | ASTM D1238 | g/10min           | <b>0.25</b>      |
| <b>Melt Flow Rate (190°C, 5.0kg)</b>      | ASTM D1238 | g/10min           | <b>1.1</b>       |
| <b>Density</b>                            | ASTM D1505 | g/cm <sup>3</sup> | <b>0.938</b>     |
| <b>Tensile Strength at Yield</b>          | ASTM D638  | MPa               | <b>19</b>        |
| <b>Elongation at Break</b>                | ASTM D638  | %                 | <b>900</b>       |
| <b>Oxidation Induction time at 200°C</b>  | ASTM D3895 | min               | <b>&gt; 100</b>  |
| <b>ESCR (Condition B, F<sub>50</sub>)</b> | ASTM D1693 | hrs               | <b>&gt; 1500</b> |

**Remark:** The values presented on the above are typical laboratory average, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitability of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.