

# دیتاشیت ۲۱۰۰ LDPE (شیمی پل)

## Typical Data

| Properties                   | Value | Unit              | Test Method   |
|------------------------------|-------|-------------------|---------------|
| <b>Polymer Properties</b>    |       |                   |               |
| Melt Flow Rate               | 0.3   | dg/min            |               |
| Density                      | 921   | kg/m <sup>3</sup> |               |
| <b>Optical Properties</b>    |       |                   |               |
| Gloss (45°)                  | 46    | %                 | ASTM D 2457   |
| Haze                         | 12    | %                 | ASTM D 1003A  |
| Clarity                      | 65    | mV                | SABTEC method |
| <b>Mechanical Properties</b> |       |                   |               |
| Impact strength              | 35    | kJ/m              | ASTM D 4272   |
| Tear strength TD             | 25    | kN/m              |               |
| Tear strength MD             | 20    | kN/m              |               |
| <b>Tensile test</b>          |       |                   |               |
| Yield stress TD              | 11    | MPa               |               |
| Yield Stress MD              | 12    | MPa               |               |
| Tensile Stress at break TD   | 26    | MPa               |               |
| Tensile Stress at break MD   | 29    | MPa               |               |
| Strain at break TD           | > 500 | %                 |               |
| Strain at break MD           | > 200 | %                 |               |
| Modulus of elasticity TD     | 190   | MPa               |               |
| Modulus of elasticity MD     | 180   | MPa               |               |
| Coefficient of friction      | 0.7   |                   | ASTM D 1894   |
| Blocking                     | < 5   | g                 |               |
| Re-Blocking                  | 30    | g                 |               |

