## Always there is a SOLUTION!





## **Technical Datasheet**

o Grade Name: Modiran LTM 2119

o Categories: Polymer, Thermoplastic, Polyethylene, Low Density Polyethylene

o **Processing Methods:** Blown Film

o **Applications:** Film, Light-Duty Films, Laminate Film

o Features: Pharmaceutical Grade, Food Contact, Good Drawdown Ability

| Physical Properties                |       |         |               |
|------------------------------------|-------|---------|---------------|
| Properties                         | Value | Unit    | Test Method   |
| MFI( 190°C/2.16 KG)                | 1.9   | g/10min | ISO 1133      |
| Density                            | 0.921 | g/cm³   | ISO 1183      |
| Mechanical Properties              |       |         |               |
| Properties                         | Value | Unit    | Test Method   |
| Blocking                           | 20    | gr      | SABTEC method |
| Coefficient of Friction (>1)       | >1    |         | ASTM D1894    |
| Dart Drop Impact Strength          | 26    | KJ/m    | ASTM D4272    |
| Film Elongation at Break (>150),MD | 150   | %       | ISO 527       |
| Film Elongation at Break (>500),TD | 500   | %       | ISO 527       |
| Film Tensile Modulus, MD           | 190   | MPa     | ISO 527       |
| Film Tensile Modulus, TD           | 200   | MPa     | ISO 527       |
| Film Tensile Strength at Break, MD | 35    | MPa     | ISO 527       |
| Film Tensile Strength at Break, TD | 20    | MPa     | ISO 527       |
| Film Tensile Strength at Yield, MD | 13    | MPa     | ISO 527       |
| Film Tensile Strength at Yield, TD | 11    | MPa     | ISO 527       |
| Re-Blocking                        | 100   | gr      | SABTEC method |
| Optical Properties                 |       |         |               |
| Properties                         | Value | Unit    | Test Method   |
| Gloss (45°C)                       | 55    |         | ASTM D2457    |
| Haze                               | 9     | %       | ASTM D1003    |

Typical Properties: These values are not to be considered as product specifications.

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