



SABIC® LLDPE 218WM

PROVISIONAL TECHNICAL DATA SHEET LINEAR LOW DENSITY POLYETHYLENE

DESCRIPTION

SABIC® LLDPE 218WM is a butane-1 linear low density polyethylene resin typically used for general purpose packaging. It is easy to process giving good tensile properties, impact strength and optical properties. 218WM contains antioxidant, slip and anti-block additives. This grade is suitable for the production of blown film for light duty applications with a high slip requirement.

TYPICAL APPLICATIONS

Light and medium duty films and stretch films, Lamination film, thin liners, shopping bags, carrier bags, garbage bags, coextruded films, consumer packaging and other general-purpose applications.

TYPICAL PROPERTY VALUES

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|----------------|-------------------|--------------|
| POLYMER PROPERTIES | | | |
| Density | 920 | kg/m ³ | ISO 1183 |
| Melt Flow Rate (MFR) | | | |
| at 190 °C and 2.16 kg | 2 | g/10 min | ISO 1133 |
| MECHANICAL PROPERTIES ⁽¹⁾ | | | |
| Dart Impact Strength | 120 | g | ASTM D1709 |
| Tensile strength | | | |
| at Yield, MD | 10 | MPa | ISO 527-3 |
| at Yield, TD | 11 | MPa | ISO 527-3 |
| Tensile Elongation | | | |
| at Break, MD | 800 | % | ISO 527-3 |
| at Break, TD | 900 | % | ISO 527-3 |
| OPTICAL PROPERTIES | | | |
| Haze | 17 | % | ASTM D1003 |
| Gloss @ 45° | 45 | - | ASTM D2457 |

(1) Properties have been measured by producing 38 µm film with 2:1 (BUR) using 100% 218WM.