

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

Revision 20210812

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Density	921	kg/m ³	ISO 1183
Melt Flow Rate			
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	11	MPa	ISO 527
at Break, MD	35	MPa	ISO 527
Tensile Elongation			
at Break, MD	800	%	ISO 527

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

PROCESSING CONDITIONS

Typical processing conditions for 218WM are: Melt temperature: 185 - 205°C, Blow up ratio: 2.0 - 3.0

HEALTH, SAFETY AND FOOD CONTACT REGULATIONS

Detailed information is provided in the relevant Material Safety Datasheet and or Standard Food Declaration, available on the Internet (www.SABIC.com). Additional specific information can be requested via your local Sales Office." DISCLAIMER: This product is not intended for and must not be used in any pharmaceutical/medical applications.

STORAGE AND HANDLING

Polyethylene resin should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably do not exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process polyethylene resin within 6 months after delivery.



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