

SABIC® LLDPE 118WJ

Linear Low Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

Product Description:

SABIC® LLDPE 118WJ is a butene linear low density polyethylene resin typically used for general purpose applications. Films produced from this resin are tough with good puncture resistance, high tensile strength and good hottack properties. The resin contains anti block and slip erucamide. SABIC® LLDPE 118WJ is TNPP free.

Application

Typical applications for SABIC® LLDPE 118WJ are shipping sacks, ice bags, frozen food bags, liners, carrier bags, garbage bags, agriculture films, lamination and coextruded films, shrink film (for blending with LDPE), industrial consumer packaging and high clarity film if blended with (10-20%) LDPE.

This product is not intended for and must not be used in any pharmaceutical/medical applications.

Availability	• Europe	
Additive	• Antiblock	• Antioxidant
Features	• Antiblocking	• General Purpose
	• Antioxidant	• Good Toughness
	• ButeneComonomer	• High Tensile Strength
Uses	• Agricultural Applications	• Film
	• Bags	• General Purpose
	• Blending	• Laminates
	• Blown Film	• Liners
Processing Method	• Blown Film	• Coextrusion

Physical	Nominal Value Unit	Test Method
Density	0.918 g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16	1.0 g/10 min	ISO 1133

kg)

Mechanical	Nominal Value Unit	Test Method
Coefficient of Friction (Blown Film)	0.10	ISO 8295
Films	Nominal Value Unit	Test Method
Film Thickness - Tested	50 µm	
Tensile Modulus		ISO 527-3
MD : 50 µm, Blown Film	160 MPa	
TD : 50 µm, Blown Film	180 MPa	
Tensile Stress		ISO 527-3
MD : Yield, 50 µm, Blown Film	11.0 MPa	
TD : Yield, 50 µm, Blown Film	11.0 MPa	
MD : Break, 50 µm, Blown Film	37.0 MPa	
TD : Break, 50 µm, Blown Film	30.0 MPa	
Tensile Elongation		ISO 527-3
MD : Break, 50 µm, Blown Film	600 %	
TD : Break, 50 µm, Blown Film	800 %	
Impact	Nominal Value Unit	Test Method
Impact Strength - Blown Film (50.0 µm)	220 J/cm	ASTM D4272
Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature	101 °C	ISO 306/A
Melting Temperature (DSC)	121 °C	Internal Method
Optical	Nominal Value Unit	Test Method
Gloss (45°, 50.0 µm, Blown Film)	42	ASTM D2457
Haze (50.0 µm, Blown Film)	20 %	ASTM D1003A
Additional Information	Nominal Value Unit	Test Method
Blocking - Blown Film (50.0 µm)	15 g	Internal Method
Puncture Resistance - Blown Film (50.0 µm)	380 J/m	Internal Method
Re-blocking - Blown Film (50.0 µm)	10 g	Internal Method
Tear Strength ²		ISO 6383-2
MD : 50.0 µm	40.0 kN/m	



CÔNG TY CỔ PHẦN SẢN XUẤT TỔNG HỢP AN THÀNH

AN THÀNH BICSOL

Add: Tầng 17 - Tòa nhà PV Oil 148 Hoàng Quốc Việt, Nghĩa Tân,
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TD : 50.0 μm

120.0 kN/m

Film of 50 μm and BUR=2 has been produced on Kiefel IBC with 140 kg/h. Die size 200 mm, die gap 2,7 mm.

Notes

¹These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

²Blown Film

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