

SABIC® LLDPE BX202

LINEAR LOW DENSITY POLYETHYLENE

DESCRIPTION

SABIC® LLDPE BX202 is a linear low density polyethylene resin typically used for the production of biaxial orientated polyethylene (BOPE) via tenter frame technology. Typical applications are food and non-food packaging. SABIC® BX202 facilitates mono-material PE structures. This grade is also available as certified bio-renewable and circular polymer.

Film properties: Film of 25 µm, produced on commercial tenter frame with >1000 kg/h output.

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

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR) at 190 °C and 2.16 kg	2.1	dg/min	ISO 1133
Density	921	kg/m ³	ASTM D1505
OPTICAL PROPERTIES			
Gloss (45°)	90	%	ASTM D2457
Haze	5	%	ASTM D1003
FILM PROPERTIES			
Dart Impact F50	350	g	ASTM D1709
Tensile test film			
Stress at break MD	70	MPa	ASTM D882
Modulus of elasticity MD	510	MPa	ASTM D882
Stress at break TD	150	MPa	ASTM D882
Strain at break TD	50	%	ASTM D882
Modulus of elasticity TD	850	MPa	ASTM D882
Strain at break MD	230	%	ASTM D882
THERMAL PROPERTIES			
Vicat Softening Temperature at 10 N (VST/A)	100	°C	ISO 306
DSC test			
melting point	124	°C	SABIC method