



AKHPE BENTIN EKSKATINE

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SABIC® LLDPE 318B

Linear low density polyethylene

Description

SABIC® LLDPE 318B is a linear low density polyethylene (LLDPE) resin designed for easy processing and specially formulated for optimum thermal stability at high temperatures used in cast film extrusion. Cast film produced from SABIC® LLDPE 318B exhibit excellent optical properties, puncture resistance and tear strength.

Application

SABIC® LLDPE 318B resin is recommended for hand and pallet stretch wrap.

Film properties

Properties are determined on 20 µm cast stretch film produced on a 2 m commercial cast stretch line: melt temperature 270 °C, chill roll temperature 20 °C and line speed of 450 m/min.

Processing conditions

SABIC® LLDPE 318B is extrudable with conventional cast film extrusion equipment. Minor machine modifications may be required for optimum use. Cast film melt temperatures 250 - 300 °C.

Typical data

Revision 20081212

Properties	Units	Values	Test methods
Melt flow rate (MFR) at 190 °C and 2.16 kg	g/10 min	2.8	ISO 1133
Density	kg/m ³	918	ISO 1183 (A)
Anti oxidant	ppm	+	SABIC method
Gloss (45°)	%	91	ASTM D 2457
Haze	%	2.1	ASTM D 1003
Dart Impact	kJ/m ²	2.6	ISO 7765-2
Tear strength TD	KN/m	140	ISO 6383-2
Protrusion Puncture resistance	J	2.0	ASTM D 5748-95
Elastic recovery & Stress retention			ASTM D 5453-95
Elastic recovery	%	61.9	
Stress retention	%	78.1	
Vicat softening temperature at 10 N (VST/A)	°C	102	ISO 303
DSC test melting point	°C	121	SABIC method

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Internet: www.SABIC-europe.com
email: TCC-TM-PE@SABIC-europe.com