

SIBUR

Technical Data Sheet PE LL30200 FE Linear Low-Density Polyethylene

PRODUCT DESCRIPTION

LL30200 FE is a butene linear low-density polyethylene. The product is characterized by an optimum combination of excellent optical and high thermal stability. This resin is suitable for high speed extrusion process. Films made from this resin exhibit excellent transparency and good combination of physical and mechanical properties.

TYPICAL APPLICATIONS

LL30200 FE is recommended for cast film applications, especially for the production of hand and pallet stretch wrap.

Properties	Conditions	Method	Typical values*	Units
Resin properties				
Melt Flow Rate	190 °C/2.16 kg	ISO 1133	3	g/10 min
Density		ISO 1183	0.920	g/cm ³
Film properties measured on 20 µm film				
Tensile strength at break	MD/TD	ISO 527-1	30/19	MPa
Elongation at break	MD/TD	ISO 527-1	550/750	%
Tensile stress at yield	MD/TD	ISO 527-1	10/8	MPa
Elmendorf Tear Strength	MD/TD	ASTM D1922	100/300	g/25 µm
Dart Drop Impact Strength		ASTM D1709	90	g
1% Secant modulus	MD/TD	ASTM D1184	80/100	MPa
Haze		ASTM D 1003	1	%
Gloss (45 °C)		ASTM D 2457	95	%
Thermal				
Vicat Softening Temperature	10 N	ISO 306	97	°C

*The values given are typical values measured on the product. These values should not be considered as specification.

**Properties were measured on film extruded with a melt temperature of 260 °C.

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REACH Statement

Polymers are exempt of REACH registration. However, their raw materials which mean monomers and relevant additives have been registered.

PJSC «Sibur Holding» (and its subsidiaries) is committed to fully respect REACH legislation and to use only REACH compliant raw materials.

Safety

See MSDS

The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications. To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication, however we do not assume any liability whatsoever for the accuracy and completeness of such information. PJSC «Sibur Holding» (and its subsidiaries) makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

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