

SIBUR

Technical Data Sheet PE LL20200 FE Linear Low-Density Polyethylene

PRODUCT DESCRIPTION

LL20200 FE is a butene linear low-density polyethylene designed for the blown and cast film extrusion processes, offering balanced combination of physical and mechanical properties. Films produced from this resin have improved tensile strength, toughness, optical properties and high cling performance.

TYPICAL APPLICATIONS

LL20200 FE is recommended for the production of mono- and multilayer blown films for general purpose applications, frozen food bags, lamination and coextruded films, carrier and garbage bags, industrial liners, hand and pallet stretch wrap films. It is suitable for blending with LDPE both in cast and blown film.

Properties		Method	Typical values*	Units
Resin properties				
Melt Flow Rate	190 °C/2.16 kg	ISO 1133-1	2	g/10 min
Density		ISO 1183	0.920	g/cm ³
Properties measured on 38 µm film**				
Tensile Strength at Break	MD/TD	ISO 527-1	36/30	MPa
Tensile Stress at Yield	MD/TD	ISO 527-1	11/12	MPa
Elongation at Break	MD/TD	ISO 527-1	900/1100	%
Tear Strength	MD/TD	ASTM D1922	150/380	g/25 µm
Dart Drop Impact Strength		ASTM 1709	130	g
Thermal				
Vicat Softening Temperature	10 N	ISO 306	98	°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 at a blow up ratio 2:1 with a melt temperature of 225 °C.

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

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