

Linear Low-Density Polyethylene

PRODUCT DESCRIPTION

LL20203 FH linear low-density polyethylene with a copolymer of butene-1 and hexene-1 with a special stabilization formulation and processing additive. The film produced from LL20203 FH grade is characterized by an improved combination of physical and mechanical properties, high strength and increased thermal resistance. The grade provides excellent processability and high output of extrusion lines.

TYPICAL APPLICATIONS

LL20203 FH 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	Conditions	Method	Typical values*	Units
Resin properties				
Melt Flow Rate	190 °C/2.16 kg	ASTM D 1238	2.0	g/10 min
Density		ASTM D 1505	0.918	g/cm ³
Film properties measured on 25 µm film**				
Tensile Strength at Break	MD/TD	ASTM D 882	55/30	MPa
Elongation at Break	MD/TD	ASTM D 882	700/950	%
Tear resistance (according to Elmendorf)	MD/TD	ASTM D 1922	220/470	g
Dart Drop Impact Strength		ASTM D 1709	150	g

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

**Properties were measured on 25 µm film

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