

SIBUR

Technical Data Sheet LL10203 FH

Linear Low-Density Polyethylene

PRODUCT DESCRIPTION

LL10203 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 LL10203 FH offers a balanced combination of physical and mechanical properties, puncture resistance, excellent weldability and increased heat resistance. The grade provides excellent processability of processing and high productivity of extrusion lines.

TYPICAL APPLICATIONS

LL10203 FH is recommended for the production of mono- and multilayer tubular films: films for general use, films for consumer packaging, FFS films, films for lamination, agricultural films and other types of films with high requirements for strength performance.

Properties	Conditions	Method	Typical values*	Units
Resin properties				
Melt Flow Rate	190 °C/2.16 kg	ASTM D 1238	1.1	g/10 min
Density		ASTM D 1505	0.920	g/cm ³
Film properties measured on 25 µm film**				
Tensile Strength at Break	MD/TD	ASTM D 882	50/35	MPa
Elongation at Break	MD/TD	ASTM D 882	700/950	%
Tear resistance (according to Elmendorf)	MD/TD	ASTM D 1922	240/480	g
Dart Drop Impact Strength		ASTM D 1709	210	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

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