

PRODUCT DESCRIPTION

LL09200 FH is a hexene linear low-density polyethylene for Extrusion applications. The product combines easy processing and improved bubble stability with exceptional physical and mechanical properties. Films produced from this resin show excellent puncture resistance, high impact strength and outstanding sealability.

TYPICAL APPLICATIONS

LL09200 FH is recommended for the production of heavy duty sacks, trash bags, agricultural films, coextruded films, stretch films and deep freeze packaging. It is suitable for blending with LDPE.

Properties	Conditions	Method	Typical values*	Units
Resin properties				
Melt Flow Rate	190 °C/2.16 kg	ISO 1133-1	0.9	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	45/40	MPa
Tensile Stress at Yield	MD/TD	ISO 527-1	12/12	MPa
Elongation at Break	MD/TD	ISO 527-1	820/900	%
Tear Strength	MD/TD	ASTM D1922	245/540	g/25 µm
Dart Drop Impact Strength		ASTM 1709	250	g
Thermal				
Vicat Softening Temperature	10 N	ISO 306	100	°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

See MSDS

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