Acran Boğaziçi Kimya A.Ş.
Mahmutbey Mah. (Istoç Tic. Merk) 2412 Sk. (C Plaza) No:2
İç Kapı No : 56,57,58 / Bağcılar Istanbul
0 (212) 659 94 37
0 (212) 659 94 38
www.acran.com.tr
info@acran.com.tr

Technical Data Sheet

PE LL20211 FE

Linear Low-Density Polyethylene

PRODUCT DESCRIPTION

LL20211 FE is a butene linear low-density polyethylene containing antiblock and slip additives. The product is designed for the blown extrusion process, offering balanced combination of physical and mechanical properties with high slip and easy opening properties.

TYPICAL APPLICATIONS

LL20211 FE is recommended for the production of mono- and multilayer blown films for general purpose bags, food packaging, lamination and coextruded films, carrier and garbage bags, industrial liners. It is suitable for blending with LDPE in blown film.

Properties	Conditions	Method	Typical values*	Units
Resin properties				
Melt Flow Rate	190 °C/2.16 kg	ISO 1133-1	2	g/10 min
Density		ISO 1183	0.921	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	120	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

See MSDS

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Contact

PJSC «Sibur Holding»
Basic Polymers Division
3-16, Krzhizhanovskogo St.
117997, Moscow, Russian Federation
Tel.: ++7 495 7775500
E-mail: servicedbp@sibur.ru

European Sales Office
Sibur International GmbH
Prinz Eugen Straße 8-10
1040, Vienna, Austria
Tel.: ++43 1 370 8000
E-mail: polyolefins@sibur-int.com

Turkey Sales Office
SIBUR International Trading Istanbul
EGS Business Park, B1 Blok, Kat.9, No.318 Yeşilköy, Bakırköy
Istanbul, Turkey
Tel: ++90 212 465 2321
E-mail: polyolefins@sibur-int.com

Chinese Sales Office
SIBUR International Trading (Shanghai)Co., Ltd
Rm.62T70, SWFC, Century Ave.100 Pudong New Area, 200120, Shanghai, China
Tel: ++86 021 2206 5066 ext 215
E-mail: serviceCN@sibur-int.com

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