PETRODUCT
Petrochemical trading Co.

Product Data Sheet

LFI 2130

Low Density Polyethylene

Typical Properties	Typical Value [1]	Unit	Test Method
Physical			
MFI (190 °C /2.16 Kg)	0.3	dg/min	ISO 1133
Density [2]	921	kg/m^3	ISO 1183 (A)
Mechanical [3]			
Impact Strength	31	kJ/m	ASTM D4272
Tear Strength (TD)	45	kN/m	ISO 6383-2
Tear Strength (MD)	20	kN/m	ISO 6383-2
Yield Stress (TD)	10	MPa	ISO 527-1,3
Yield Stress (MD)	11	MPa	ISO 527-1,3
Tensile Stress at Break (TD)	24	MPa	ISO 527-1,3
Tensile Stress at Break (MD)	22	MPa	ISO 527-1,3
Strain at Break (TD)	> 500	%	ISO 527-1,3
Strain at Break (MD)	> 350	%	ISO 527-1,3
Modulus of Elasticity (TD)	150	MPa	ISO 527-1,3
Modulus of Elasticity (MD)	140	MPa	ISO 527-1,3
Coefficient of Friction	0.7	-	ASTM D1894
Blocking	< 5	g	ASTM D3354
Re-blocking	20	g	SABTEC method
Optical [3]			
Haze	12	%	ASTM D1003 A
Gloss (45°)	55	GU	ASTM D2457
Clarity	50	mV	SABTEC method
Recommended Process Conditions [4]			
Extruder temperature profile: 185-210 °C	Blow up ratio: 2-4		
Film thickness: 45-150 µm.			

1. Typical values: these are not to be construed as specifications.
2. The density parameter was determined on compression-molded specimens, which were prepared in accordance with procedure C of ASTM D4703, Annex A1.
3. Properties are based on 120 µm blown film produced at a melt temperature of 200°C and 3 BUR using 100% LFI 2130.
4. Please note that, these processing conditions are recommended by producer only for 100% LFI2130 resin (not in the case of blending with any other compatible material), but because of the many particular factors which are outside our knowledge and control, and may affect the use of product, no warranty is given.