SABIC® LLDPE 6135NE

Linear Low Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® LLDPE 6135NE is a hexene linear low density polyethylene resin. Films made from this resin exhibit a good balance between mechanical properties (like impact strength, tear strength and hottack) and optical properties on the one hand and stiffness on the other hand.
Application
Typical applications for SABIC® LLDPE 6135NE are heavy duty bags, lamination films, agriculture films, frozen food packaging and other applications requiring a balance between high impact strength, tear resistance and stiffness. The grade is typically used for multi layer recipes.
This product is not intended for and must not be used in any pharmaceutical/medical applications.

General Information			
Additive	Antioxidation		
Features	Low density Rigid, good hexene comonomer Antioxidation Impact resistance, high Good tear strength		
Uses	Blown Film Laminate Agricultural application Food packaging Heavy packing bag		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.932	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (Blown Film)	0.50		ISO 8295
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	50	µm	
Tensile Modulus			ISO 527-3
MD: 50 µm, blown film	310	MPa	ISO 527-3
TD: 50 µm, blown film	360	MPa	ISO 527-3
Tensile Stress			ISO 527-3
MD: Yield, 50 µm, blown film	16.0	MPa	ISO 527-3
TD: Yield, 50 µm, blown film	19.0	MPa	ISO 527-3
MD: Broken, 50 µm, blown film	53.0	MPa	ISO 527-3

TD: Broken, 50 µm, blown film	50.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Broken, 50 µm, blown film	700	%	ISO 527-3
TD: Broken, 50 µm, blown film	850	%	ISO 527-3
Impact	**Nominal Value**	**Unit**	**Test Method**
Impact Strength - Blown Film (50.0 µm)	70.0	J/cm	ASTM D4272
Blocking - Blown Film (50.0 µm)		g	Internal method
Puncture Resistance - Blown Film (50.0 µm)	700	J/m	Internal method
Tear Strength [1]			ISO 6383-2
MD : 50.0 µm	40.0	kN/m	ISO 6383-2
TD : 50.0 µm	210.0	kN/m	ISO 6383-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	120	°C	ISO 306/A
Melting Temperature (DSC)	126	°C	Internal method
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Film of 50 µm and BUR = 2 has been produced on Kuhne BF line with an output of 35 kg/h. Die size 120 mm, die gap 2.7 mm.			
NOTE			
1.	Blown Film		

Recommended distributors for this material

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WECHAT