SABIC® LLDPE 726NE

Linear Low Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® LLDPE 726NE is a butene linear low density polyethylene resin. This grade is designed to give blown films a relatively high stiffness for good machinability and a good overall balance of other performance properties, such as puncture resistance, impact strength and heat sealability.
Application
Typical applications for SABIC® LLDPE 726NE are shipping sacks, produce bags, can liners and carrier bags. SABIC® LLDPE 726NE has very good optical properties when blended with a LDPE (15-85%).
The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/medical applications.

General Information			
Additive	Antioxidation		
Features	Low density Butene comonomer Rigidity, high Perforation resistance Antioxidation Impact resistance, good Machinable Good heat sealability		
Uses	Blown Film Lining Bags		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.925	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ISO 1133
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	50	µm	
Tensile Modulus			ISO 527-3
MD: 50 µm, blown film	220	MPa	ISO 527-3
TD: 50 µm, blown film	240	MPa	ISO 527-3
Tensile Stress			ISO 527-3
MD: Yield, 50 µm, blown film	13.0	MPa	ISO 527-3
TD: Yield, 50 µm, blown film	14.0	MPa	ISO 527-3
MD: Broken, 50 µm, blown film	45.0	MPa	ISO 527-3
TD: Broken, 50 µm, blown film	35.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3

MD: Broken, 50 µm, blown film	650	%	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)	160	J/cm	ASTM D4272
Puncture Resistance - Blown Film (50.0 µm)	650	J/m	Internal method
Tear Strength [1]			ISO 6383-2
MD : 50.0 µm	20.0	kN/m	ISO 6383-2
TD : 50.0 µm	130.0	kN/m	ISO 6383-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	110	°C	ISO 306/A
Melting Temperature (DSC)	124	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm, Blown Film)	60		ASTM D2457
Haze (50.0 µm, Blown Film)	12	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Film of 50 µm and BUR=2 has been produced on Kiefel IBC with 130 kg/h. Die size 200 mm, die gap 2,7 mm.			
NOTE			
1.	Blown Film		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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