

# SABIC® LLDPE 726 Series

Linear Low Density Polyethylene

SABIC Americas, Inc.

## Message:

### Product Description

726 series resins are fractional index Linear Low Density Polyethylene grades suitable for blown film applications. Films produced using these resins gives relatively higher stiffness, good tensile properties, impact strength and sealing properties.

726 Series includes following grades:

726N: No Slip & No Antiblock

726Q: 1250 ppm Slip & 750 ppm Antiblock

### Typical Applications

Bread bags, textile and garment packaging, shipping sacks, can liners carrier bags etc.

General Information			
Features	Good Impact Resistance		
	High Stiffness		
	High Tensile Strength		
Uses	Bags		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.926	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 30 µm	300	MPa	
1% Secant, TD : 30 µm	320	MPa	ASTM D882
Tensile Strength			
MD : Yield, 30 µm	13.0	MPa	
TD : Yield, 30 µm	12.0	MPa	
MD : Break, 30 µm	42.0	MPa	
TD : Break, 30 µm	36.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 30 µm	600	%	
TD : Break, 30 µm	750	%	
Dart Drop Impact (30 µm)	85	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 30 µm	85	g	
TD : 30 µm	250	g	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	105	°C	ASTM D1525

Optical	Nominal Value	Unit	Test Method
Gloss (45°, 30.0 µm)	75		ASTM D2457
Haze (30.0 µm)	13	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Puncture Resistance (30.0 µm)	620	J/cm	Internal Method
Extrusion	Nominal Value	Unit	
Melt Temperature	195 to 225	°C	

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#### Recommended distributors for this material

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