

# 726 Series

LLDPE for Blown Film Extrusion

726 Series are fractional melt-index film grades Linear Low Density Polyethylene (LLDPE) resins. This product is designed to give blown films a relatively high stiffness, good machinability and a good overall balance of other properties such as puncture resistance, impact strength, tensile strength and heat sealability.

726 Series includes the following grades:

Grade	Antiblock (ppm)	Slip (ppm)	PPA <sup>+</sup>	Applications
726N *	None	None	None	Shipping sacks, produce bags and can liners
726Q	750	1250	Yes	Textile packaging, carrier bags and bread bags.

<sup>+</sup> Polymer Processing Aid.

\* Must be modified with Slip/Antiblock as required.

### Typical Applications

Thin to medium duty films which require stiffness and can be blended with other resins.

Physical Properties		Unit	Value <sup>(1)</sup>	Test Method
Melt index		g/10 min.	0.7	D-1238
Density		g/cm <sup>3</sup>	0.926	D-792
<b>Film Properties *</b>				
Tensile strength @ yield	MD	MPa	12	D-882
	TD		13	
Tensile strength @ break	MD	MPa	44	D-882
	TD		36	
Tensile elongation @ break	MD	%	600	D-882
	TD		750	
1% Secant modulus	MD	MPa	270	D-882
	TD		285	
Dart drop impact, F <sub>50</sub>		g	140	D-1709
Puncture resistance		J/mm	62	SABIC method
Elmendorf tear strength	MD	g	140	D-1922
	TD		450	
Gloss 60° angle		-	85	D-2457
Haze		%	8.5	D-1003

\* The film properties have been measured on 726N (50 μ film, 2.5:1 blow-up ratio)

(1) Typical values should not be construed as specification limits.

### **Processing Conditions**

Extrusion temperatures = 190 - 230° C

Blow-up ratio = 2.0 – 3.0:1

### **Food Regulation**

Certificate is available on request.

*NOTICE: The information and data contained herein are believed to be correct and given in good faith, but because of the many particular factors which are outside our knowledge and control and affect the use of product, no warranty is given or is to be implied with respect to such information, nor do we offer any warranty of immunity against infringement.*

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