



726 Series

Linear Low Density Polyethylene for Blown Film

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.

Typical data

Properties	Unit	Value ⁽¹⁾	ASTM Method
Resin Properties			
Melt Flow Rate @ 190°C & 2.16 kg load	g/10 min.	0.7	D 1238
Density @ 23°C	kg/m ³	926	D 1505
Mechanical Properties⁽²⁾			
Tensile Strength @ break, MD	MPa	42	D 882
TD		36	
Tensile Elongation @ break, MD	%	600	D 882
TD		750	
Tensile Strength @ yield, MD	MPa	13	D 882
TD		12	
1% Secant Modulus, MD	MPa	300	D 882
TD		320	
Puncture Resistance	J/mm	62	SABIC Method
Dart Impact Strength	g	85	D 1709
Elmendorf Tear Strength, MD	g	85	D 1922
TD		250	
Optical Properties⁽²⁾			
Haze	%	13	D 1003
Gloss @ 60°	-	75	D 2457
Thermal Properties			
Vicat Softening Point	°C	105	D 1525

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

(2) Properties have been measured by producing 30 μ film with 2.5 BUR using 100% 726N.

Processing Conditions

Typical processing conditions for 726 are:

Melt temperature: 195 - 225°C

Blow up ratio: 2 - 3

Food Regulation

726 series resins are suitable for Food contact application. Detailed information is provided in relevant Material Safety Datasheet and for additional specific information please contact SABIC local representative for certificate.

Storage and Handling

Polyethylene resin should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably don't exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PE resin within 6 months after delivery.

Saudi Basic Industries Corporation, P.O.Box 5101, Riyadh 11422, Kingdom of Saudi Arabia
Tel: 966 1 2258000
Fax: 966 1 2259000

Technical Marketing
Tel: 966 1 2659166
Fax: 966 1 2653544
Toll-free 800 1245577

PE Sales:
Fax: 966 1 2258760
Website: www.sabic.com

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 immunity against infringement.