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