

SABIC[®] LLDPE 726Q

LINEAR LOW DENSITY POLYETHYLENE

DESCRIPTION

726Q Linear low density polyethylene

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 190 °C and 2.16 kg	0.7	dg/min	ISO 1133
Density	926	kg/m ³	ASTM D1505
OPTICAL PROPERTIES			
Gloss (45°)	65	%	ASTM D2457
Haze	14	%	ASTM D1003
FILM PROPERTIES			
Impact strength	23	kJ/m	ASTM D4272
Tear strength TD	130	kN/m	ISO 6383-2
Tear strength MD	23	kN/m	ISO 6383-2
Puncture resistance	440	J/m	SABIC method
Tensile test film			
Modulus of elasticity MD	220	MPa	ISO 527-3
Stress at break MD	34	MPa	ISO 527-3
Yield stress TD	14	MPa	ISO 527-3
Yield stress MD	13	MPa	ISO 527-3
Stress at break TD	27	MPa	ISO 527-3
Strain at break MD	600	%	ISO 527-3
Modulus of elasticity TD	240	MPa	ISO 527-3
Strain at break TD	700	%	ISO 527-3
Coefficient of friction	0.1	-	ASTM D1894
Blocking	10	g	SABIC method
Re-blocking	<5	g	SABIC method
THERMAL PROPERTIES			
Vicat Softening Temperature			
at 10 N (VST/A)	110	°C	ISO 306
DSC test			
melting point	124	°C	SABIC method