



Material: LDPE

LDPE (Low Density Polyethylene) is easily cut, formed, vac-formed and fabricated. It has high impact strength, low coefficient of friction and is flexible with a soft surface. Very versatile material.

Technical Specification

Property	Test Method	Units	Value
Colour	-	-	Natural/Black
Density	ISO 1183	g/cm ³	0.93
Melt Index MFR 190/2.16	ISO 1133	g/10min	1.9
Yield Stress	ISO 527 : 50mm/min	N/mm ²	9
Elongation at yield Stress	ISO 527 : 50mm/min	%	250
Breaking stress	ISO 527 : 50mm/min	N/mm ²	13
Elongation at break	ISO 527 : 50mm/min	%	600
Elastic modulus	ISO 527	N/mm ²	250
Ball indentation hardness : 30 sec value	ISO 2039-1	N/mm ²	49
Shore Hardness D : 3 sec value	ISO 868	-	48
Shore Hardness D : 15 sec value	ISO 868	-	46
Vicat Softening Point VST	ISO 306/B	°c	60
Crystalline melting range	ISO 3146	°c	112
Linear thermal expansion coefficient (23-80°c)	DIN 53752	k-1	2 x 10 ⁻⁴
Thermal Conductivity	DIN 52612	W/(K.m)	0.4
Volume resistivity	VDE 0303/3	Ohm/cm	10 ¹⁶
Surface resistivity dry	VDE 0303/3	Ohm	10 ¹³

Availability:

Sheets: 2440 X 1220mm, 1.5 - 9mm thick

Applications:

Because of the versatility of LDPE it is extensively used in the food and drinks industry, clothing/leisure industry and the packaging industry.