



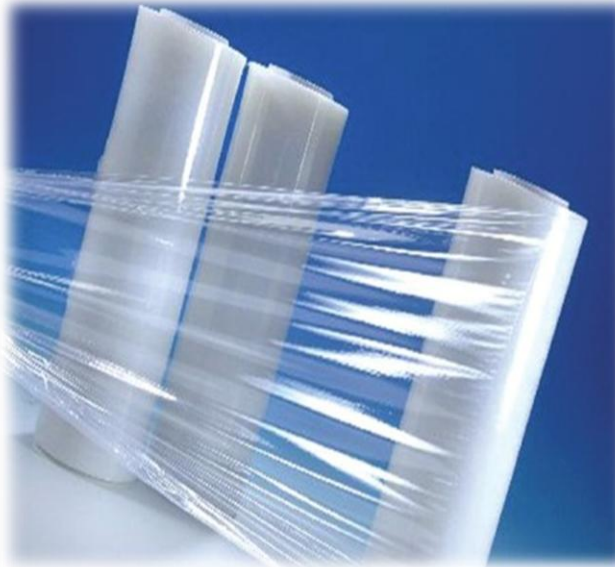
Product: Low Density Polyethylene (LDPE)

Grade: Film

Trade Name: LDPE 1019

Typical Applications

LDPE 1019 can be used for producing Thin shrink film, lamination film, produce bags, textile packaging, soft goods packaging, general-purpose bags with good optics and t-shirts carrier bags.





Asia Petrochemicals LLC

TDS FOR LDPE 1019

PRODUCT DESCRIPTION

LDPE 1019 resins are Low Density Polyethylene grades suitable for general-purpose packaging. They exhibit better draw down, good optical and mechanical properties.

Process conditions:

Typical processing conditions for LDPE 1019 are:

Barrel temperature: 160 - 190°C

Blow up ratio: 2.0 – 3.0

Packing: 25 Kg plastic bag

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Polymer Properties			
Melt Flow Rate		dg/min	1.9
Density		kg/m ³	921
Optical Properties			
Gloss (45°)	ASTM D 2457	%	50
Haze	ASTM D 1003A	%	11
Clarity	SABTEC method	mV	29
Mechanical Properties			
Impact strength	ASTM D 4272	kJ/m	26
Tear strength TD		kN/m	25
Tear strength MD		kN/m	60
Tensile Test			
Yield stress TD		MPa	11
Yield Stress MD		MPa	13
Tensile Stress at break TD		MPa	20
Strain at break TD		%	>500
Strain at break MD		%	>150
Modulus of elasticity TD		MPa	200
Modulus of elasticity MD		MPa	190
Coefficient of friction	ASTM D 1894		>1
Blocking		g	20
Re-Blocking		g	100

For further information please visit <http://www.asia-petrochem.com> or send an enquiry to info@asia-petrochem.com

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