



LDPE

2101TN47

Product Description:

Low Density Poly Ethylene for Blown Film.

Typical applications:

Due to its good processability. The grade has a low energy consumption during processing and has a good draw down ability. This grade enables high speed production of film without blocking. The material is very suitable for thin industrial film, thin packaging film and carrier bags which require high toughness in combination with high resistance to tearing, good optical properties and excellent converting properties.

Additives:

Anti oxidant – Anti block – Slip agent.

SURIN



LDPE

Typical data - 2101TN47

PROPERTIES	TEST METHOD	UNIT	VALUE
Polymer Properties			
Melt Flow Rate		dg/min	0.85
Density		kg/m ³	921
Formulation			
Slip		Ppm	700 O
Anti Block		Ppm	1100
Optical Properties			
Gloss (45°)	ASTM D 2457	%	49
Haze	ASTM D 1003A	%	11
Clarity	SABTEC method	mV	37
Mechanical Properties			
Impact strength	ASTM D 4272	kJ/m	30
Tear strength TD		kN/m	30
Tear strength MD		kN/m	40
Tensile test			
Yield stress TD		MPa	11
Yield Stress MD		MPa	12
Tensile Stress at break TD		MPa	21
Tensile Stress at break MD		MPa	24
Strain at break TD		%	>500
Strain at break MD		%	>200
Modulus of elasticity TD		MPa	170
Modulus of elasticity MD		MPa	160
Coefficient of friction	ASTM D 1894		0,1
Blocking		g	10
Re-Blocking		g	30