

Technical Datasheet

L2100TN00

1) Product Description:

“LDPE (L2100TN00)” is the kind of low-density polyethylene which is produced by the tubular reactor process. As a result, the product range covers a wide range of densities and melts flow rates. The LDPE grade slate has a wide variety of slip and anti-block additives levels including a large numbers of grades with excellent optical properties. Tubular production technology provides a very low gel content, outstanding draw-down ability, low levels of odor and taste, which is of advantage for thin film processing and e.g. food packaging.

2) Applications:

- ✓ Grade with excellent toughness, tear strength and outstanding shrink properties exhibits very low energy consumption during processing. Also, this product shows excellent draw-down ability.
- ✓ The material containing no additives issuitable for application in shrinkhoods, industrial sacks, heavy duty carrier bags and liners.

3) Typical data:

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate		dg/min	0.3
Density		kg/m ³	921
Gloss (45°)	ASTM D 2457	%	46
Haze	ASTM D 1003A	%	12
Clarity	SABTEC method	mV	65
Impact strength	ASTM D 4272	kJ/m	35
Tear strength TD		kN/m	25
Tear strength MD	20	kN/m	
Yield stress TD	11	MPa	
Yield Stress MD	12	MPa	
Tensile Stress at break TD	26	MPa	
Tensile Stress at break MD	29	MPa	
Strain at break TD	> 500	%	
Strain at break MD	> 200	%	
Modulus of elasticity TD	190	MPa	
Modulus of elasticity MD	180	MPa	
Coefficient of friction	0.7		ASTM D 1894
Blocking	< 5	g	
Re-Blocking	30	g	

* Film properties have been measured at 45 µm films.

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