

## Low Density Polyethylene L2100TN00

### Description:

"LDPE 22100TN00" grade with excellent toughness and tear strength and outstanding shrink properties very low energy consumption during processing and has excellent draw down ability. The material contains no additives and is suitable for application in shrinkhoods, industrial sacks, heavy duty carrier bags and liners.

Properties	Test Method	Unit	Value
Melt Flow Rate	-	dg/min	0.3
Density	-	kg/m <sup>3</sup>	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)	-	kN/m	20
Yield Stress (TD)	-	MPa	11
Yield Stress (MD)	-	MPa	12
Tensile Strength at Break (TD)	-	MPa	26
Tensile Strength at Break (MD)	-	MPa	29
Strain at Break (TD)	-	%	> 500
Strain at Break (MD)	-	%	> 200
Modulus of Elasticity (TD)	-	MPa	190
Modulus of Elasticity (MD)	-	MPa	180
Co efficient of Friction	ASTM D 1894	-	0.7

### Application:

LDPE 22100TN00 is used for very thin films requiring good optical properties for general packaging.

**Producer:** Arya Sasol Petrochemical Company