



LLDPE made via Spherilene Process



Product data sheet **14X01**

14X01 is a HP-LLDPE blown film grade of excellent processability which is particularly suited for film applications requiring a good balance between stiffness and strength.

LLDPE: 14X01

Density: 0.914

MFI: 0.95

Features



- High stiffness
- Excellent processability
- good balance between stiffness and strength

Applications



- Blown film grade

Additives



- THERMAL ANOTIOXIDANT
- ANTIBLOCKING AGENT
- SLIP AGENT

Material properties (This data are typical values and are not to be construed as product specifications.)

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Resin properties	Unit	Typical values		ASTM Method
Melt Index	(g/10')	0.95		D 1238
Density	(g/ml)	0.9140		D 1505
Film properties @				
Dart Impact	(g)		100	D 1709
Elmendorf Tear	(g)	MD/TD	140/360	D 1922
Tensile strenght at yield	(MPa)	MD/TD	13.5/12.1	D 882
Tensile strenght at break	(MPa)	MD/TD	51/40	D 882
Ultimate elongation	(%)	MD/TD	590/885	D 882
2% Secant modulus	(MPa)	MD/TD	185/215	D 882
Haze	(%)		19	D 1003
Gloss 45°			46	D 2457
@ 25 micron film obtained on Collin 25, B.u.R. 2.5:1, Temp. profile 155→190 °C, melt 200 °C.				
Recommended processing conditions				
Melt Temperature	(°C)	190-240		
Blow up ratio		2.0-3.0		
Die Gap	(mm)	2.0-2.5		
Thickness	(micron)	18-180		