



LLDPE made via Spherilene Process



Product data sheet 12X01

12X01 is a HP-LLDPE blown film grade of excellent processability and good film strength combined with low gels.

LLDPE: 12X01

Density: 0.912

MFI: 0.95

Features



- Superbutene
- Excellent processability
- good film strength
- low gels

Applications



- Blown film grade

Additives



- THERMAL ANOTIOXIDANT
- ANTIBLOCKING AGENT

62

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

Resin properties	Unit	Typical values		ASTM Method
Melt Index	(g/10')	0.95		D 1238
Density	(g/ml)	0.9120		D 1505
Film properties @				
Dart Impact	(g)		120	D 1709
Elmendorf Tear	(g)	MD/TD	180/400	D 1922
Tensile strenght at yield	(MPa)	MD/TD	10.8/10.8	D 882
Tensile strenght at break	(MPa)	MD/TD	37.5/30.5	D 882
Ultimate elongation	(%)	MD/TD	675/770	D 882
2% Secant modulus	(MPa)	MD/TD	190/205	D 882
Haze	(%)		40	D 1003
Gloss 45°			20	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)	200-240		
Blow up ratio		2.0-3.0		
Die Gap	(mm)	2.0-2.5		
Thickness	(micron)	25-180		