



## LLDPE made via Spherilene Process



# Product data sheet 14Y01

14Y01 is a hexene HP-LLDPE blown film grade for applications requiring high film strength and good processability.

**LLDPE: 14Y01**

**Density: 0.914**

**MFI: 1.1**

### Features



- high film strength and good processability

### Applications



- Blown film grade
- Thin film

### Additives



- THERMAL ANOTIOXIDANT
- ANTIBLOCKING AGENT
- SLIP AGENT

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### 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')	1.1		D 1238
Density	(g/ml)	0.9140		D 1505
Film properties @				
Dart Impact	(g)		130	D 1709
Elmendorf Tear	(g)	MD/TD	180/530	D 1922
Tensile strength at yield	(MPa)	MD/TD	12.3/12.2	D 882
Tensile strength at break	(MPa)	MD/TD	34/34	D 882
Ultimate elongation	(%)	MD/TD	770/860	D 882
2% Secant modulus	(MPa)	MD/TD	195/215	D 882
Haze	(%)		18	D 1003
Gloss 45°			42	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		2.0-3.5		
Die Gap	(mm)	2.0-2.5		
Thickness	(micron)	15-180		