



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

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

72

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 strenght 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 procssing conditions				
Melt Temperature	(°C)	200-240		
Blow up ratio		2.0-3.5		
Die Gap	(mm)	2.0-2.5		
Thickness	(micron)	15-180		