

LLDPE made via Spherilene Process



Product data sheet  
**12YF6**

12YF6 is a hexene HP-LLDPE blown film grade for high performance applications. This resin processes easier than conventional LLDPEs and has low gels.

**LLDPE: 12YF6**

**Density: 0.912**

**MFI: 0.6**

Features



- high performance applications
- low gels

Applications



- Blown film grade
- liner

Additives



- THERMAL ANOTIOXIDANT
- ANTIBLOCKING AGENT
- SLIP AGENT

**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')	0.60		D 1238
Density	(g/ml)	0.9120		D 1505
Film properties @				
Dart Impact	(g)		400	D 1709
Elmendorf Tear	(g)	MD/TD	330/540	D 1922
Tensile strenght at yield	(MPa)	MD/TD	11.2/10.5	D 882
Tensile strenght at break	(MPa)	MD/TD	45/37	D 882
Ultimate elongation	(%)	MD/TD	560/690	D 882
2% Secant modulus	(MPa)	MD/TD	180/190	D 882
Haze	(%)		39	D 882
Gloss 45°			27	D 1003 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)	2.0-3.5		
Thickness	(micron)	18-180		