



## LLDPE made via Spherilene Process



### Product data sheet **12XF6**

12XF6 is a HP-LLDPE blown film grade for high film strength applications. HP-LLDPEs process easier than conventional LLDPEs and have low gels.

**LLDPE: 12XF6**

**Density: 0.912**

**MFI: 0.6±0.1**

#### Features



- High performance

#### Applications



- Blown film grade
- high film strength applications
- low gels.

#### 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')	0.60		D 1238
Density	(g/ml)	0.9120		D 1505
Film properties @				
Dart Impact	(g)		175	D 1709
Elmendorf Tear	(g)	MD/TD	220/420	D 1922
Tensile strenght at yield	(MPa)	MD/TD	11.5/11.2	D 882
Tensile strenght at break	(MPa)	MD/TD	43/35	D 882
Ultimate elongation	(%)	MD/TD	600/760	D 882
2% Secant modulus	(MPa)	MD/TD	170/185	D 882
Haze	(%)		42	D 1003
Gloss 45°			35	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		