

LLDPE made via Spherilene Process



Product data sheet 09X02

09X02 HP-LLDPE film resin combines ease of processing with low gels and good film strength. Its excellent stretchability makes this grade particularly suited for stretch wrapping application, especially as core layer in coextruded films.

LLDPE: 09X02

Density: 0.909

MFI: 2.2

Features



- low gels
- good film strength
- Excellent stretchability

Applications



- Cast film grade
- stretch wrapping application

Additives



- THERMAL ANOTIOXIDANT

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')	2.2		D 1238
Density	(g/ml)	0.9090		D 1505
Film properties @				
Dart Impact	(g)		100	D 1709
Puncture resistance	(N)		19.5	Montell
Elmendorf Tear	(g)	MD/TD	80/320	D 1922
Tensile strenght at yield	(MPa)	MD/TD	9.6/8.8	D 882
Tensile strenght at break	(MPa)	MD/TD	50/32	D 882
Ultimate elongation	(%)	MD/TD	640/880	D 882
2% Secant modulus	(MPa)	MD/TD	135/125	D 882
Haze	(%)		2.6	D 1003
Gloss 45°			84	D 2457
@ 30 micron film obtained on Dolci coextr. cast line. Extuders 70/120/70 mm 2000 mm flat die Temp. profile 205 → 280 °C				
Recommended processing conditions				
Melt Temperature	(°C)	230-290		
Thickness	(micron)	15-15		