



HDPE made via Spherilene Process



Product data sheet **14XF9**

14XF9 is a HP-LLDPE blown film grade of excellent processability, good film strength combined with very good optical properties (transparency and gloss, and low level of gels). The additivition package of 14XF9 is particularly suitable for lamination.

HDPE: 14XF9

Density: 0.915

MFI: 0.9

Features



- excellent processability
- good film strength combined
- very good optical properties (transparency and gloss, and low level of gels).

Applications



- Film grade for lamination

Additives



- THERMAL ANOTIOXIDANT
- ANTIBLOCKING 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 flow rate (190/2.16)	(g/10')	0.9		D 1238
Density	(g/ml)	0.915		D 1505
Film properties @				
Dart Impact	(g)		110	D 1709
Elmendorf Tear	(g)	MD/TD	130/480	D 1922
Tensile strenght at yield	(MPa)	MD/TD	10.7/10.8	D 882
Tensile strenght at break	(MPa)	MD/TD	40/35	D 882
Ultimate Elongation	(%)	MD/TD	680/760	D 882
2% Secant modulus	(MPa)	MD/TD	190/210	D 882
Haze	(%)		18	D 1003
Gloss 45°			42	D 2457
@ On 25 μ blown film extruded on a 25 mm extruder. BUR 2.5:1. Temperature profile 150 to 190°C; melt temperature 200°C				
Recommended processing conditions				
Melt Temperature	(°C)	190-240		
Blow up ratio		2.0-3.0		
Die Gap	(mm)	2.0-2.5		
Thickness	(μ)	18-180		