

VLDPE made via Spherilene Process



Product data sheet
01X01

01X01 is a HP-VLDPE for blown film coextrusion applications requiring high impact strength at low temperature, like frozen food packaging.

VLDPE: 01X01

Density: 0.901

MFI: 0.9

Features



- HP-VLDPE for blown film
- high impact strength at low temperature

Applications



- Blown film
- Coextrusion
- frozen food packaging.

Additives



- THERMAL ANOTIOXIDANT
- ANTIBLOCKING AGENT
- SLIP AGENT

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

75

Resin properties	Unit	Typical values		ASTM Method
Melt Index	(g/10')	0.90		D 1238
Density	(g/ml)	0.9010		D 1505
Film properties @				
Dart Impact	(g)		450	D 1709
Elmendorf Tear	(g)	MD/TD	250/320	D 1922
Tensile strenght at yield	(MPa)	MD/TD	7.5/7.8	D 882
Tensile strenght at break	(MPa)	MD/TD	47/43	D 882
Ultimate elongation	(%)	MD/TD	650/850	D 882
2% Secant modulus	(MPa)	MD/TD	110/110	D 882
Haze	(%)		25	D 1003
Gloss 45°			30	D 2457
@ 25 micron film obtained on Collin 25. B.u.R. 2.5: 1, Temp. profile 155→190°C, melt 200°C.				
Recommended proccsing conditions				
Melt Temperature	(°C)	200-230		
Blow up ratio		2.0-3.0		
Die Gap	(mm)	2.0-2.5		
Thickness	(micron)	18-60		