

Globally Distinguished

HDPE made via Spherilene Process



Product data sheet **14ZF8**

14ZF8 is a HP-LLDPE grade, suitable for blown film applications, targeting high mechanical properties, with an excellent processability. The 14ZF8 HP-LLDPE, alone or in blend with LDPE, is suitable for small pipe extrusion, especially for agricultural lateral-dripping pipes. The 14ZF8 is suitable for extrusion of blow molded soft containers.

HDPE: 14ZF8

Density: 0.915

MFI: 0.75

Features



- Easy processability
- high mechanical properties
- Mechanical

Applications



- Blown film
- small pipe extrusion
- agricultural lateral-dripping pipes

Additives



- THERMAL ANOTIOXIDANT
- ANTIBLOCKING AGENT
- SLIP AGENT

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

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Resin properties	Unit	Typical values		ASTM Method
Melt flow rate (190/2.16)	g/10'	0.75		D 1238
Density	g/ml	0.915		D 1505
Film properties @				
Dart Impact	(g)	MD/TD	120	D 1709
Elmendorf Tear	(g)		350/210	D 1922
Tensile strenght at yield	(MPa)	MD/TD	11/10.9	D 882
Tensile strenght at break	(MPa)	MD/TD	36/28	D 882
Ultimate Elongation	(%)	MD/TD	580/680	D 882
2% Secant modulus	(MPa)	MD/TD	190/210	D 882
Haze	(%)	MD/TD	25	D 1003
Gloss 45°	(%)		30	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 film 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		