



HDPE made via Spherilene Process



Product data sheet **524H1FX**

524H1FX is a HDPE copolymer suitable for production of high stiffness blown film. This grade shown outstanding bubble stability at high film line speed and at low downgauging. It is well suited for monolayer film, blending and coextrusion.

HDPE:524H1FX

Density: 0.952

MFI: 0.15(190C/5kg)

Features



- HDPE copolymer suitable
- high stiffness blown film
- Grade under final development, to be industrialised.

Applications



- Film grade
- monolayer film

Additives



- Grade under final development, to be industrialised.

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

96

Resin properties	Unit	Typical values	ASTM
Method			
Melt Index (5.0 kg, 190°C)	(g/10')	0.15	D 1238
Density	(g/ml)	0.9520	D 1505
Physical properties @			
2% Secant modulus MD	(MPa)	900	D882
2% Secant modulus TD	(Mpa)	800	D882
Tensile strenght at yield MD	(MPa)	50	D882
Tensile strenght at break MD	(MPa)	52	D882
Tensile strenght at yield TD	(MPa)	30	D882
Tensile strenght at break TD	(MPa)	45	D882
Tear propagation MD	(g)	200	D1004
Tear propagation TD	(g)	400	D1004
Dart test	(g)	70	D1709A

@ On 15 µ blown film extruded on 80 mm extruder, 25 L/D, 200 mm die. die gap 1.4 mm, BUR 4.6:1, stalk height 7:1, melt temperature 220°C, output 170 kg/h