

LLDPE made via Spherilene Process



Product data sheet 16503

The ease of processing and the low gels make 16503 well suited for production of general purpose monolayer or multilayer cast stretch film.

LLDPE: 16503

Density: 0.916

MFI: 3

Features



- ease of processing
- low gels
- general purpose monolayer or multilayer cast stretch film.

Applications



- Cast stretch film grade

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')	3		D 1238
Density	(g/cc)	0.916		D 1505
Film properties @				
Dart Impact	(g)		65	D 1709
Puncture resistance	(N)		14	Montell
Elmendorf Tear	(g)	MD/TD	60/330	D 1922
Tensile strenght at yield	(MPa)	MD/TD	11.8/10.0	D 882
Tensile strenght at break	(MPa)	MD/TD	52/24	D 882
Ultimate elongation	(%)	MD/TD	500/800	D 882
2% Secant modulus	(MPa)	MD/TD	115/115	D 882
Haze	(%)		2.0	D 1003
Gloss 45°	(unit)		88	D 2457
@25m film obtained on a three layer co-extrusion cast line, 16503 led to all extruders. Diameters 70/120/70 mm. temperature profile 205 → 280°C,2000 mm flat die, melt temperature 260°C.chill-roll temperature 20°C.				
Recommended processing conditions				
Melt Temperature	(°C)	230-280		
Chill-roll temperature	(°C)	12-40		
Thickness	(μ)	15-50		