

Globally Distinguished

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)	MD/TD	65	D 1709
Puncture resistance	(N)		14	Montell
Elmendorf Tear	(g)		60/330	D 1922
Tensile strenght at yield	(MPa)		11.8/10.0	D 882
Tensile strenght at break	(MPa)		52/24	D 882
Ultimate elongation	(%)		500/800	D 882
2% Secant modulus	(MPa)		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		

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