

LLDPE made via Spherilene Process



Product data sheet **10Y02**

10Y02 is a hexene HP-LLDPE film resin combines ease of processing with excellent physical properties. This resin is particularly suited for stretch wrapping applications, especially as core layer in coextruded films, as it shown a very good film strength and stretchability.

LLDPE: 10Y02

Density: 0.91

MFI: 2.2

Features



- excellent physical properties
- suited for stretch wrapping applications
- very good film strength
- stretchability

Applications



- Cast film grade
- hexene HP-LLDPE film resin
- core layer in coextruded films

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')	2.2	D 1238
Density	(g/ml)	0.9100	D 1505
Film properties @			
Dart Impact	(g)	180	D 1709
Puncture resistance	(N)	17.4	Montell
Elmendorf Tear	(g)	MD/TD 150/350	D 1922
Tensile strength at yield	(MPa)	MD/TD 10.0/9.0	D 882
Tensile strength at break	(MPa)	MD/TD 46.5/34.5	D 882
Ultimate elongation	(%)	MD/TD 480/800	D 882
2% Secant modulus	(MPa)	MD/TD 105/110	D 882
Haze	(%)	3.0	D 1003
Gloss 45°		75	D 2457
@ 23 micron film obtained on Dolci coextr. cast line, extruders 70/120/70 mm, 2000 mm flat die Teme. Profile 205 → 280°C.			
Recommended processing conditions			
Melt Temperature	(°C)	230-290	
Thickness	(micron)	15-50	