

Globally Distinguished

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.)

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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 resisance	(N)		17.4	Montell
Elmendorf Tear	(g)		MD/TD 150/350	D 1922
Tensile strenght 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 proccsing conditions				
Melt Temperature	(°C)	230-290		
Thickness	(micron)	15-50		