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Product data sheet

22501AA/ 22501KJ

LLDPE made via Spherilene Gas-Phase Technology



22501 is a LLDPE blown film grade designed for applications requiring good optical properties even at low extrusion temperature. This resin combines ease of processing with low gels and it is well suited for blending with LDPE and for general purpose applications.

LLDPE: 22501AA/22501KJ

Density: 0.922-0.924

MFI: 0.85-1.05

Characteristic Properties

- *High stiffness*
- *good optical properties*
- *low extrusion temperature*
- *ease of processing*
- *low gels*
- *suited for blending with LDPE*

Main Applications

- *Blown film grade*
- *General Purpose opplications*

Additives

- *22501AA:*
- *Thermal Antioxidant (Process Stabilizer)*
- *Catalyst neutralizer (acid scavenger, lubricant)*
- *22501KJ:*
- *Thermal Antioxidant (Process Stabilizer)*
- *Antiblocking Agent*
- *Slip Agent*
- *Catalyst neutralizer (acid scavenger, lubricant)*

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

Resin Properties	Unit	Typical Value		ASTM Method
Melt Index (190°C/ 2.16Kg)	(g/10 min)	0.95		D1238
Density	g/ml	0.9230		D1505
Film properties @				
Dart Impact	(g)		70	D1709
Elmendorf Tear	(g)	MD/TD	105/436	D1922
Tensile strenght at yield	(MPa)	MD/TD	11/12	D882
Tensile strenght at break	(MPa)	MD/TD	41/31	D882
Ultimate elongation	(%)	MD/TD	648/780	D882
Haze	(%)		48	D1003
Gloss 45°			10	D2457
@ 25 micron film obtained on Collin 25, B.u.R. 2.5: 1, Temp. profile 155→190°C.				
Recommended processing conditions				
Melt Temperature	(°C)	190-230		
Blow up ratio		2.0-3.0		
Die Gap	(mm)	2.0-2.5		
Thickness	(micron)	15-150		