

LLDPE made via Spherilene Process



Product data sheet
22501AA/
22501KJ

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

MFI: 0.95

Features



- High stiffness
- good optical properties
- low extrusion temperature
- ease of processing
- low gels
- suited for blending with LDPE
- general purpose applications.

Applications



- Blown film grade

Additives



- 22501AA:
Thermal Antioxidant
- 22501KJ:
Thermal Antioxidant
Antiblocking agent
Slip Agent

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')	0.95		D 1238
Density	(g/ml)	0.9220		D 1505
Film properties @				
Dart Impact	(g)		80	D 1709
Elmendorf Tear	(g)	MD/TD	105/460	D 1922
Tensile strength at yield	(MPa)	MD/TD	13/12.5	D 882
Tensile strength at break	(MPa)	MD/TD	45/30	D 882
Ultimate elongation	(%)	MD/TD	680/780	D 882
2% Secant modulus	(MPa)	MD/TD	200/240	D 822
Haze	(%)		21	D 1003
Gloss 45°			38	D 2457
@ 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		