

TECHNICAL DATA SHEET

92001S

92001S is a 1-Hexene LLDPE copolymer blown film grade produced by the Spherilene Technology

This grade can be used in Multilayer Packaging Film Applications

92001S is additivated with slip and antiblocking additives for excellent openability and slip properties

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 190°C)	ASTM D1238	g/10 min	1.0
Density (23°C)	ASTM D1505	g/cm ³	0.920
Film Property **			
Tensile Strength at Yield MD		MPa	10
Tensile Strength at Yield TD		MPa	10
Tensile Strength at Break MD	ASTM D882	MPa	31
Tensile Strength at Break TD	(500 mm/min)	MPa	26
Elongation at Break MD		%	950
Elongation at Break TD		%	1050
Elmendorf Tear Strength MD	ASTM D1992	g	550
Elmendorf Tear Strength TD		g	800
Dart Impact Strength, F ₅₀ (38 mm Dart, 66 cm Height)	ASTM D1709A	g	280
Gloss at 60°	ASTM D2457	GU	80

Suggested Processing Conditions

Barrel Temperature	°C	180 - 200
Melt Temperature	°C	190 - 210
Blow up Ratio	-	2.0 - 3.0
Die Gap	mm	2.0 - 2.5

* Halene L is the registered trademark of Linear Low Density Polyethylene of HPL

** Typical values with film of nominal thickness 55 µm (BUR - 2.5, Die Gap - 2.5 mm)

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