

TECHNICAL DATA SHEET

71602W

71602W is a LLDPE film grade produced by the Spherilene Technology

71602W is without slip additives and antiblock & can be used in General Purpose Packaging Film Application

The precise morphological control achieved during polymerization confers good processability & mechanical strengths

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 190°C)	ASTM D1238	g/10 min	2.5
Density (23°C)	ASTM D1505	g/cm ³	0.920
Film Property **			
Tensile Strength at Yield MD		MPa	12
Tensile Strength at Yield TD		MPa	11
Tensile Strength at Break MD	ASTM D882	MPa	23
Tensile Strength at Break TD	(500 mm/min)	MPa	19
Elongation at Break MD		%	500
Elongation at Break TD		%	750
Elmendorf Tear Strength MD	ASTM D1992	g	60
Elmendorf Tear Strength TD		g	280
Dart Impact Strength, F ₅₀ (38 mm Dart, 66 cm Height)	ASTM D1709A	g/μm	2

Suggested Processing Conditions

Barrel Temperature	°C	170 – 200
Melt Temperature	°C	190 – 200
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 25 μm film made with 2.5 mm die gap & BUR 2.5

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