

HANWHA LLDPE 3126

Linear Low Density Polyethylene
Hanwha Chemical

Message:

HANWHA LLDPE 3126 is manufactured by Spherilene process and designed for general purpose film. LLDPE 3121 has good mechanical property, processability, slip and openability.

General Information	
Additive	Anti-caking agent Antioxidation slip agent
Features	smoothness Anti-caking property Antioxidation Workability, good General Low or no water absorption
Uses	Films
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a
Forms	Particle
Processing Method	Film extrusion Blow film

Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	21.6	MPa	ASTM D638
Tensile Elongation (Break)	900	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	μm	
Tensile Strength			ASTM D882
MD: Break, 30 μm	41.2	MPa	ASTM D882
TD: Break, 30 μm	37.3	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 30 μm	650	%	ASTM D882
TD: Break, 30 μm	750	%	ASTM D882
Dart Drop Impact (30 μm)	140	g	ASTM D1709

Tensile Tear Strength			ASTM D1004
MD : 30.0 μm	117.7	kN/m	ASTM D1004
TD : 30.0 μm	122.6	kN/m	ASTM D1004
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	103	°C	ASTM D1525
Peak Melting Temperature	122	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Haze (30.0 μm)	10	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	150 - 190	°C	
Extrusion instructions			

Blow-up Ratio: 2 to 3 Optimum Gage Range: 0.03 to 0.1 mm

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

