HANWHA LLDPE 3127

Linear Low Density Polyethylene

Hanwha Chemical

Message:

HANWHA LLDPE 3127 is manufactured by Unipol process and designed for lamination film. LLDPE 3127 has well balanced property of optical property and processability.

General Information	
Additive	Antiblock Antioxidant Processing Aid Slip
Features	Antiblocking Antioxidant Good Processability Low Slip Opticals
Uses	Film Laminates
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a
Forms	Pellets
Processing Method	Blown Film Film Extrusion Laminating

Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm³	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	Internal Method
Tensile Strength			ASTM D882
MD : Break, 30 µm	42.2	MPa	
TD : Break, 30 µm	37.3	MPa	
Tensile Elongation			ASTM D882

MD : Break, 30 µm	650	%	
TD : Break, 30 µm	750	%	
Dart Drop Impact (30 µm)	140	g	ASTM D1709
Tensile Tear Strength			ASTM D1004
MD : 30.0 µm	117.7	kN/m	
TD : 30.0 µm	122.6	kN/m	
Blow-up Ratio	2.00 to 3.00		
Optimum Gage Range	30.0 to 100.0	µm	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	103	°C	ASTM D1525
Melting Temperature	122	°C	Internal Method
Optical	Nominal Value	Unit	Test Method
Haze (30.0 µm)	8.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	150 to 190	°C	

Recommended distributors for this material

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