HANWHA LLDPE 3322

Linear Low Density Polyethylene

Hanwha Chemical

Message:

HANWHA LLDPE 3322 is manufactured by Spherilene process and designed for heavy duty film. LLDPE 3322 has well balanced property of mechanical property and processability.

General Information	
Additive	Anti-caking agent Antioxidation
Features	Anti-caking property Antioxidation Workability, good
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	0.917	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	20.6	MPa	ASTM D638
Tensile Elongation (Break)	930	%	ASTM D638
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	190	µm	
Tensile Strength			ASTM D882
MD: Fracture, 190 µm	43.1	MPa	ASTM D882
TD: Fracture, 190 µm	35.3	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 190 µm	500	%	ASTM D882
TD: Fracture, 190 µm	700	%	ASTM D882
Dart Drop Impact (190 µm)	> 500	g	ASTM D1709
Tensile Tear Strength			ASTM D1004
MD : 190.0 µm	127.5	kN/m	ASTM D1004
TD : 190.0 µm	112.8	kN/m	ASTM D1004
Thermal	**Nominal Value**	**Unit**	**Test Method**

Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	99.0	°C	ASTM D1525
Peak Melting Temperature	123	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Haze (190 µm)	8.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	150 - 190	°C	
Extrusion instructions			

Blow-up Ratio: 2 to 3Optimum Gage Range: 0.03 to 0.2 mm

Recommended distributors for this material

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