

HANWHA LDPE 5306

Low Density Polyethylene

Hanwha Chemical

Message:

HANWHA LDPE 5306 is manufactured by DOW tubular high pressure process and designed for variety of film application such as high transparent package film. LDPE 5306 has well balanced property of high clarity, mechanical property and processability.

General Information			
Additive	Anti-caking agent		
	Antioxidation		
	slip agent		
Features	smoothness		
	Optical		
	Anti-caking property		
	Antioxidation		
	Workability, good		
	Definition, high		
Uses	Packaging		
	Films		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Forms	Particle		
Processing Method	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)	3.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	10.8	MPa	ASTM D638
Tensile Elongation (Break)	650	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	μm	
Tensile Strength			ASTM D882
MD: Break, 30 μm	22.6	MPa	ASTM D882
TD: Break, 30 μm	17.7	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 30 μm	350	%	ASTM D882
TD: Break, 30 μm	550	%	ASTM D882
Dart Drop Impact (30 μm)	85	g	ASTM D1709

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	88.0	°C	ASTM D1525
Melting Temperature	110	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Haze (30.0 μm)	6.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	140 - 170	°C	
Extrusion instructions			

Blow-up Ratio : 2 ~ 3 Optimum Gage Range : 0.025 ~ 0.1 mm

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