

INEOS LDPE 22H594

Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

22H594 is an autoclave, low density polyethylene grade for the production of thin blown films.

Applications:

22H594 is intended for applications such as

Thin shrink film

General packaging film

General Information			
Additive	Erucamide Lubricating Additive (500 ppm) Anti-caking agent (850 ppm) 2 Antioxidation 3		
Features	smoothness Anti-caking property Antioxidation High pressure heating resistance		
Uses	Packaging Films		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.1	g/10 min	ISO 1133
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	40	µm	
Film Puncture Energy (40 µm)	1.30	J	
Film Puncture Force (40 µm)	50.0	N	
secant modulus			ASTM D882A
MD : 40 µm	200	MPa	ASTM D882A
TD : 40 µm	210	MPa	ASTM D882A
Tensile Stress			ISO 527-3
MD: Yield, 40 µm	26.0	MPa	ISO 527-3
TD: Yield, 40 µm	20.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Break, 40 µm	350	%	ISO 527-3

TD: Break, 40 μm	600	%	ISO 527-3
Dart Drop Impact (40 μm)	100	g	ISO 7765-1
Elmendorf Tear Strength			ISO 6383-2
MD : 40 μm	5.0	N	ISO 6383-2
TD : 40 μm	3.0	N	ISO 6383-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	95.0	°C	ISO 306
Melting Temperature (DSC)	111	°C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Gloss (40.0 μm)	85		ASTM D2457
Haze (40.0 μm)	7.0	%	ASTM D1003

Additional Information

Coefficient of Friction, ISO 8295, dynamic, 40μ: 0.1The value listed as Melting Point ISO 3146, was tested in accordance with ISO 11357/03.The value listed as Elmendorf Tear Strength ISO 6383-2, was tested in accordance with ISO 8483/2The values listed as Film Puncture Energy and Force, were tested in accordance with ASTM D5748.

Extrusion	Nominal Value	Unit
Melt Temperature	150 - 180	°C

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