INEOS LDPE 28H430

Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

Applications
28H430 is particularly suitable for nappy film and other hygienic films made by cast film coextrusion or blending. It can also be processed in blown film for thin rigid films with good optical properties
Characteristics
28H430 is an autoclave LDPE homopolymer. It offers the following properties:
High rigidity
Good downgauging potential
Low blocking
MFR tailored for cast extrusion
Good drawdown
If corona treatment is necessary, the level should normally be in the range 38-48 mN/m.

General Information	
Features	Rigidity, high Homopolymer Good stripping No additive
Uses	Films Mixing cast film
RoHS Compliance	Contact manufacturer
Forms	Particle
Processing Method	Blow film Co-extrusion molding Extrusion cast film

Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.1	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction	> 0.50		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	50	µm	
Tensile Modulus			ISO 1184
1% secant, MD: 50 µm	290	MPa	ISO 1184
1% secant, TD: 50 µm	290	MPa	ISO 1184

Tensile Stress			ISO 1184
MD: Yield, 50 µm	14.0	MPa	ISO 1184
TD: Yield, 50 µm	16.0	MPa	ISO 1184
MD: Break, 50 µm	26.0	MPa	ISO 1184
TD: Break, 50 µm	22.0	MPa	ISO 1184
Tensile Elongation			ISO 1184
MD: Break, 50 µm	460	%	ISO 1184
TD: Break, 50 µm	660	%	ISO 1184
Dart Drop Impact (50 µm)	110	g	ASTM D1709A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	97.0	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm)	64		ASTM D2457
Haze (50.0 µm)	9.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	240 - 280	°C	
Extrusion instructions			

Blown Film melt temperature range: 160 to 185°C

Recommended distributors for this material

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