INEOS LDPE 23H430

Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

Applications
23H430 is suitable for a variety of general-purpose packaging films, liners, carrier bags and fine shrink film. It is also recommended for cross-linked foam as well as for blow-moulding applications.
Benefits and Features
23H430 is an autoclave LDPE homopolymer. It offers the following properties:
Good strength and dart drop resistance
Good drawdown
Low tendency to block
If corona treatment is necessary, the level should normally be in the range 38-48 mN/m.

General Information			
Features	Additive Free		
	Crosslinkable		
	Foamable		
	General Purpose		
	Good Drawdown		
	Good Strength		
	Homopolymer		
Uses	Bags		
	Film		
	Foam		
	Liners		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.923	g/cm³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (Blown Film)	> 0.50		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	50	µm	
Tensile Modulus - 1% Secant (50 µm, Blown Film)	180	MPa	ISO 1184
Tensile Stress			ISO 1184
MD : Yield, 50 µm, Blown Film	11.0	MPa	

TD : Yield, 50 µm, Blown Film	12.0	MPa	
MD : Break, 50 µm, Blown Film	22.0	MPa	
TD : Break, 50 µm, Blown Film	20.0	MPa	
Tensile Elongation			ISO 1184
MD : Break, 50 µm, Blown Film	250	%	
TD : Break, 50 µm, Blown Film	550	%	
Dart Drop Impact (50 µm, Blown Film)	140	g	ASTM D1709A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	95.0	°C	ISO 306/A
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm, Blown Film)	55		ASTM D2457
Haze (50.0 µm, Blown Film)	10	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	160 to 185	°C	

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China