

# INEOS LDPE 22D730

Low Density Polyethylene  
INEOS Olefins & Polymers Europe

Message:

22D730 is an autoclave, low density polyethylene grade for film application. 22D730 is developed to give an extra strong film for heavy duty film applications such as sacks and pallet shrink.

Applications

22D730 is intended for applications such as

Heavy duty bags

Shrink films

Liners

Construction and agricultural films

General Information			
Features	Autoclavable		
Uses	Agricultural Applications		
	Construction Applications		
	Film		
	Heavy-duty Bags		
	Liners		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (vs. Itself - Dynamic, Blown Film)	> 0.50		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	130	µm	ASTM D882A
Secant Modulus			
0.05% to 1.05%, MD : 130 µm	170	MPa	
0.05% to 1.05%, TD : 130 µm	180	MPa	ISO 527-3
Tensile Stress			
MD : Yield, 130 µm	25.0	MPa	
TD : Yield, 130 µm	23.0	MPa	ISO 527-3
Tensile Elongation			
MD : Break, 130 µm	400	%	
TD : Break, 130 µm	600	%	ISO 7765-1
Dart Drop Impact (130 µm)	450	g	

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	96.0	°C	ISO 306
Melting Temperature	110	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 125 μm)	43		ASTM D2457
Haze (125 μm)	15	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	170 to 200	°C	

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#### Recommended distributors for this material

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