

INEOS LDPE 20N430

Low Density Polyethylene
INEOS Olefins & Polymers Europe

Message:

Additive free LDPE homopolymer extrusion coating, injection moulding and compounding product

Benefits & Features

20N430 special polymer structure gives the following properties:

For extrusion coating:

Well balanced Neck In and Draw Down performance

Good adhesion performance and sealing properties

For injection moulding and compounding:

Excellent flexibility

Good transparency

Absence of any kind of additive allowing tailor formulation of specific compounds and master-batches

Applications

Extrusion coating and laminating grade designed for a medium to high coating line speed.

20N430 is also suitable for injection moulding of flexible products (caps and closures, food containers, soft tubes, technical parts) as well as for the production of compounds.

General Information			
Features	Low density		
	Homopolymer		
	Good flexibility		
	Good adhesion		
	No additive		
Uses	Laminate		
	Composite		
	Pipe fittings		
	Shield		
	Masterbatch		
	Food container		
	Coating application		
	Shell		
RoHS Compliance	Contact manufacturer		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Lamination method		
	Composite		
	Extrusion coating		
	Injection molding		
Physical	Nominal Value	Unit	Test Method

Density (23°C)	0.921	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 1 sec, Compression Molded)	44		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, Injection Molded)	170	MPa	ISO 527-2/1BA/1
Tensile Stress			ISO 527-2/50
Yield, 23°C, molded	11.0	MPa	ISO 527-2/50
Fracture, 23°C, compression molding	10.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C, Compression Molded)	600	%	ISO 527-2/50
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	87.0	°C	ISO 306/A50
Melting Temperature ¹	108	°C	ISO 11357-3
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 250	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	280 - 325	°C	
NOTE			
1.	DSC 2nd heating 10°C/min		

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