

INEOS LDPE 20P430

Low Density Polyethylene
INEOS Olefins & Polymers Europe

Message:

Benefits & Features
20P430 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.
20P430 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	Additive Free		
	Good Adhesion		
	Good Flexibility		
	Homopolymer		
	Low Density		
Uses	Caps		
	Closures		
	Coating Applications		
	Compounding		
	Food Containers		
	Laminates		
	Masterbatch		
	Tubing		
RoHS Compliance	Contact Manufacturer		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Compounding		
	Extrusion Coating		
	Injection Molding		
	Laminating		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.921	g/cm³	ISO 1183

Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.8	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore 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, Compression Molded	11.0	MPa	
Break, 23°C, Compression Molded	10.0	MPa	
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 to 250	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	280 to 325	°C	
NOTE			
1.	DSC 2nd heating 10°C/min		

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