

INEOS LDPE 19N930

Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

19N930 is a low-density polyethylene intended for injection molding. It is a medium MFR material, having good flow properties and allowing short cycle time. The moulded article is characterized by low degree of built-in stress, good stiffness, low warpage and high gloss.

Applications:

19N930 is recommended for injection moulding of flexible products which require good flow properties and short cycle time. The material is especially suitable for products like caps and closures, household goods and toys.

General Information			
Features	Fast Molding Cycle		
	Good Flexibility		
	Good Stiffness		
	High Gloss		
	Low Density		
	Low Warpage		
	Medium Flow		
Uses	Caps		
	Closures		
	Hospital Goods		
	Toys		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.920	g/cm ³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (190°C/0.325 kg)	7.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Compression Molded)	47		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield, Compression Molded	9.00	MPa	
Break, Compression Molded	10.0	MPa	
Tensile Strain (Break, Compression Molded)	550	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (-20°C)	75	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature	88.0	°C	ISO 306/A
Melting Temperature	108	°C	DSC
NOTE			

1.
- Conditioned according to ISO
1872/1

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Recommended distributors for this material

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