

INEOS LDPE 24W930

Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

24W930 is a low-density polyethylene intended for injection moulding and compounding. It is a high MFR material, having good flow properties and allowing short cycle time. The moulded article is characterised by low degree of built-in stress, good stiffness and high gloss.

24W930 is recommended for injection moulding of flexible products which require good flow properties and short cycle time. The material is especially suitable for thin walled products like caps and closures, household goods and toys.

It is also recommended for the manufacturing of highly filled compounds.

General Information			
Additive	Antistatic		
Features	Fast Molding Cycle		
	High Flow		
Uses	Caps		
	Closures		
	Compounding		
	Household Goods		
	Thin-walled Parts		
	Toys		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	55	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 4.00 mm, Compression Molded)	47		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm, Compression Molded)	260	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield, 4.00 mm, Compression Molded	10.4	MPa	
Break, 4.00 mm, Compression Molded	8.60	MPa	
Tensile Strain (Break, 4.00 mm, Compression Molded)	100	%	ISO 527-2
Flexural Modulus (23°C, 4.00 mm, Compression Molded)	300	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	89.0	°C	ISO 306/A

Melting Temperature (DSC) ¹	108	°C	Internal Method
NOTE			

1. 10°C/min

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