

INEOS LDPE 17L430

Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

Applications

Extrusion coating and laminating grade designed with an outstanding low Neck In

Benefits and Features

17L430 is an additive free low density ethylene homopolymer. Its special polymer structure gives the following properties:

low speed grade with a very stable and low Neck In

improving the melt curtain stability in blends or coextrusion

General Information			
Features	Additive Free		
	Homopolymer		
	Low Neck-In		
Uses	Coating Applications		
	Laminates		
RoHS Compliance	Contact Manufacturer		
Processing Method	Coextrusion		
	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Compression Molded)	45		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Compression Molded)	183	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield, Compression Molded	9.00	MPa	
Break, Compression Molded	13.0	MPa	
Tensile Strain			ISO 527-2
Yield, Compression Molded	20	%	
Break, Compression Molded	410	%	
Flexural Modulus (23°C, Compression Molded)	220	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength (-20°C, Compression Molded)	69	kJ/m ²	ISO 180

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	86.0	°C	ISO 306/A50
Melting Temperature (DSC)	107	°C	Internal Method
Peak Crystallization Temperature (DSC)	56.0 to 92.0	°C	Internal Method
Heat of Fusion	111	J/g	ASTM D3418

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