

# INEOS LDPE 18R430

Low Density Polyethylene  
INEOS Olefins & Polymers Europe

Message:

Benefits & Features  
18R430 special polymer structure gives the following properties:  
For extrusion coating:  
Well balanced Neck In and Draw Down performance  
Good adhesion performance and sealing properties  
Excellent substrate wettability  
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.  
18R430 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)	0.919	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	15	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 1 sec, Compression Molded)	40		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield, 23°C, Compression Molded	8.00	MPa	
Break, 23°C, Compression Molded	10.0	MPa	
Tensile Strain (Break, 23°C, Compression Molded)	400	%	ISO 527-2/50
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	78.0	°C	ISO 306/A50
Melting Temperature <sup>1</sup>	107	°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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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

