Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

17L430

Product Technical Information

Additive free LDPE homopolymer extrusion coating

Benefits & Features

17L430 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

Applications

Extrusion coating and laminating grade designed with an outstanding low Neck In. As blending partner with other polymers the 17L430 improves the melt curtain stability and reduces the Neck In.

We recommend that you consult your INEOS technical representative for further advice on the use of **17L430**.

Properties	Conditions	Test Methods	Values	Units
Physical				
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	4.0	g/10min
Density	23°C	ISO 1183-1 & ISO1872-1	918	kg/m³
Mechanical*				
Shore Hardness D		ISO 868	45	
Tensile Modulus		ISO 527	183	MPa
Tensile Stress at Yield		ISO 527	9	MPa
Elongation at Yield		ISO 527	20	%
Tensile Stress at Break		ISO 527	13	MPa
Elongation at Break		ISO 527	411	%
Flexural Modulus	23°C	ISO 178	220	MPa
Izod Impact Strength	-20°C	ISO 180	69	kJ/m2
Environmental Stress Crack Resistance		INEOS Test Method	---	h
Thermal				
Melting Temperature	DSC 2nd heating 10°C/min	ISO 11357-3	107	°C
Heat of Fusion		ASTM 3418	111	J/g
Crystallization Temperature	DSC	INEOS Test Method	92 - 56	°C
Vicat Softening Temperature	10N	ISO306/A50	86	°C

Data should not be used for specification work

* Measurements made on compression moulded plaques – ** injection moulding plaques, ISO 1BA specimens

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Processing guidelines

17L430 can be processed on commercial extrusion coating equipments over the melt temperature range 260 - 325 °C, depending if it is used as pure polymer or blending partner.

Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration.
It is advised to process the product within maximum one year after delivery.

Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

Exclusion of Liability

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