

19N430

Product Technical Information

LDPE extrusion coating product

Applications

19N430 is a versatile extrusion coating resin. This homopolymer is suitable for multipurpose extrusion coating applications. 19N430 coated substrates such as paper, board and aluminium can be used for packaging food and liquids, powders, medical devices, agricultural materials, chemicals and many other products. It shows an improved heat sealability compared to 23L430.

19N430 is also suitable for injection moulding of flexible products.

Benefits and Features

19N430 is an additive free low density ethylene homopolymer. Its special polymer structure gives the following properties:

- Good processability
- High coating speed
- Good draw down ability with low neck in and stable web edges
- Low fumes during extrusion
- Good organoleptical properties
- Good adhesion on many substrates
- Very good heat sealing properties
- High purity and very low gel level

We recommend that you consult your INEOS technical representative for further advice on the use of 19N430.

Properties		Test Method	Value	Units
Physical				
Melt flow rate		ISO 1133	7.5	g/10 min
Condition D				
Conventional density		ISO 1183 Method D	920	kg/m ³
(conditioning ISO 1872/1)				
Vicat softening temperature*		ISO 306 Method A	88	°C
DSC melting temperature (10°C/min)		INEOS Method	108	°C
Shore hardness D*		ISO 868	47	-
Tensile strength	@ yield*	ISO R527	9	MPa
Tensile strength	@ break*	ISO R527	10	MPa
Elongation	@ break*	ISO R527	550	%

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- Data should not be used for specification work
- * Measurements made on compression moulded plaques

Extrusion conditions

19N430 can be processed on commercial extrusion coating equipments over the melt temperature range 280-325°C. Coating weights as low as 7 g/m² can be obtained at extrusion rates normally used for common substrates.

Storage

19N430 should be stored in a dry and dust free environment at temperatures below 50°C. Exposure to direct sunlight should be avoided, as this may lead to product deterioration.

Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to psnohreg@innovene.com. Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

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 Material Safety Data Sheet (MSDS) that may be obtained from the website www.ineospolyolefins.com. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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