



19N430B

Product Technical Information

Low Density Polyethylene for Extrusion Coating

19N430B is a low density polyethylene for extrusion coating, especially developed for high-speed coating. Very high drawdown speeds are achieved throughout the extrusion temperature range, and thin coatings are possible at low temperatures. The molecular structure of the polymer produces an excellent clear coating.

19N430B has good heat sealability and moisture barrier properties. Its melt characteristics guarantee good adhesion and low neck-in. There are no smoke or odour problems, even at high temperatures.

Applications

19N430B is a very versatile general coating grade, which can be used throughout the coating temperature range. In addition to paper and board, 19N430B is very suitable for:

- Coating and lamination of various plastic films
- Cellophane and aluminium foils

It is particularly recommended for low temperature co-extrusion of thin layers.

Properties	Test Method	Value	Units
Physical			
Melt flow rate (190°C/2.16 kg)	ISO 1133	7.5	g/10 min
Density	ISO 1183	920	kg/m ³
Maximum Coating speed	BTM 14921	850	m/min
Minimum Coating weight	BTM 14922	5	g/m ²
Total Neck-in	BMT 14920	68	mm
No additives			

- Data should not be used for specification work

Extrusion conditions

19N430B can be used for coating within a broad temperature range, 280–330°C without edge breaking.

Very low coating weights can be achieved with this grade. The general coating weight range is 5-70 g/m². The line speed at high extrusion temperatures can be even 850 m/min.

A typical temperature profile from the feed zone is 240/290/320/320/320/320°C. The adapter and die temperature setting is 5-10°C lower than the temperature setting for the last extruder zone.

The melt temperatures used in co-extrusion are mainly determined by the other polymers in the combination and by the die design.

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Storage and Handling

19N430B should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of the product.

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

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