

Technical Data Sheet

**Icorene N1004**

Ethylene Vinyl Acetate Copolymer
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N1004 is a premium copolymer of ethylene vinyl acetate specifically designed for thin shrink film for food packaging.

The vinyl acetate content is about 9%.

This grade is flexible, for very transparent film requiring high strength and good sealability.

General

Material Status	• Commercial: Active		
Availability	• Europe		
Additive	• Antioxidant		
Features	• Food Contact Acceptable		
Uses	• Film • Food Packaging	• Laminates • Shrink Wrap	• Stretch Wrap
Forms	• Powder		
Processing Method	• Compounding Extrusion		

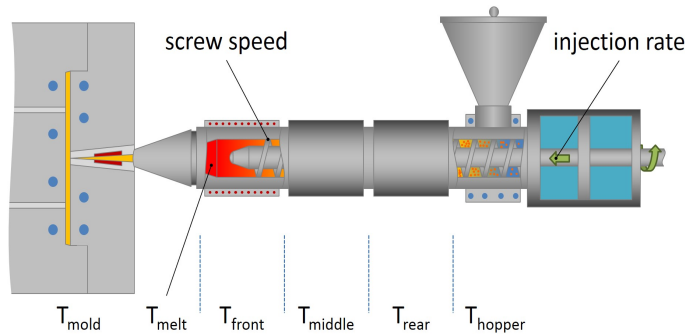
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.929 g/cm ³	0.929 g/cm ³	Internal Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0 g/10 min	3.0 g/10 min	ASTM D1238
Vinyl Acetate Content	9.0 wt%	9.0 wt%	Internal Method
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	174 °F	79.0 °C	ISO 306
Melting Temperature	207 °F	97.0 °C	ISO 11357

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Injection	Nominal Value (English)	Nominal Value (SI)
Processing (Melt) Temp	302 to 356 °F	150 to 180 °C

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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