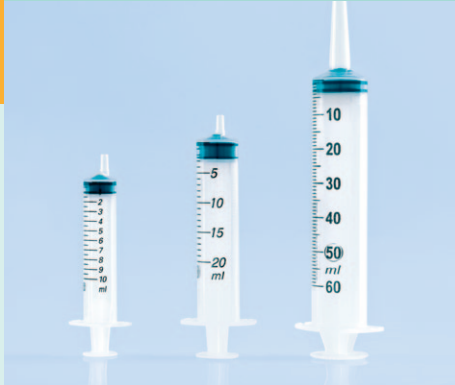


Product News

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Bormed™ HE9601-PH higher flow for high productivity medical packaging

Immediate benefits

Injection moulding healthcare components using a HDPE with a high Melt Flow Rate (MFR), like Bormed HE9601-PH, offer many advantages to the conversion process. This is the latest addition to Borealis' comprehensive Bormed family of polyethylene (PE) and polypropylene (PP) products specifically developed for medical devices and pharmaceutical and diagnostic packaging.

Bormed HE9601-PH enables moulders to gain immediate productivity benefits in the highly regulated healthcare market.

Higher flow – faster production

Offering a MFR of 31, Bormed HE9601-PH is designed to enable higher speed in the injection moulding of applications ranging from two-part syringe plungers to caps and closures, as well as a range of other pharmaceutical and diagnostic packaging.

Delivering a flow-rate improvement of up to 2.5 times that of comparable alternatives, Bormed HE9601-PH can provide increased unit throughput and the easier moulding of applications. Particularly those with complex design parameters or longer flow-lengths. This allows a significant productivity enhancement with no end-use performance compromises.

Bormed HE9601-PH also allows for operation at decreased pressure and temperature levels. The resulting energy savings, as well as savings in mould maintenance, mean less costs and higher productivity.



Key characteristics

The outstanding high flow performance and easy processing of Bormed HE9601-PH is supported by the full range of properties for which medical grade HDPE is well known. Key among these include:

- High stiffness
- Chemical inertness and high chemical resistance
- Excellent barrier performance and impermeability to water vapour

Moreover, as with all Borealis materials serving the medical sector, Bormed HE9601-PH is sterilisable using all common techniques such as EtO and radiation.

Fundamental assurances

The assurance of guaranteed quality is a fundamental demand of healthcare OEMs. In addition to special production conditions and quality control procedures, Bormed HE9601-PH answers this demand through regulatory compliance with European and US Pharmacopeia and Drug Master File registry, as well as full traceability.

Furthermore, and of key importance both to converters and OEMs, any change in the formulation of a Bormed material grade or its proposed deletion from Borealis' product portfolio is subject to a long period of advance notice.

Borealis' continuous improvement of healthcare-dedicated materials, together with its long-term commitment to the market through product availability, provide secure benefits to all members of the industry's value chain from converter to end user.

Properties	Nominal values	Test method
Melt Flow Rate (190°C/2.16kg)	31g/10min	ISO 1133
Density	960kg/m ³	ISO 1183
Tensile Modulus (1mm/min)	1,250 MPa	ISO 527-2
Tensile Stress at Yield, (50mm/min)	28MPa	ISO 527-2
Heat Deflection Temperature	71°C	ISO 75-2
Hardness, Shore D	62	ISO 868

Borealis and Borouge are leading providers of innovative, value creating plastics solutions. With more than 40 years of experience in polyolefins and using our unique Borstar® technology, we focus on the infrastructure, automotive and advanced packaging markets across Europe, the Middle East and Asia. Our production facilities, innovation

centres and service centres work with customers in more than 170 countries to provide materials that make an essential contribution to society and sustainable development. We are committed to the principles of Responsible Care® and to leading the way in 'Shaping the Future with Plastics'™.

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