Veradel® 3000MP
polyethersulfone

Veradel® 3000MP is a high molecular weight polyethersulfone (PESU) homopolymer powder designed specifically for the fabrication of microporous and ultraporous filtration membranes, in both hollow fiber and flat sheet forms.

Veradel® 3000MP features high purity, excellent toughness and outstanding hydrolytic resistance. It also offers superior resistance to mineral acids and bases and good resistance to moderate concentrations of chlorine. All Veradel® PESU polymers may be sterilized using a variety of methods, including steam, gamma ray, e-beam and ethylene oxide.

Veradel® PESU polymers are also available in a range of lower molecular weight alternatives, from 3000MP down to the lowest molecular weight offering, 3600P. There is a direct correlation between molecular weight and solution viscosity.

Typical applications for which Veradel® 3000MP is suited include hemodialysis, drinking water purification, pretreatment for reverse osmosis plants, wastewater treatment, food and beverage processing, and a variety of other industrial and bioprocessing fluid filtration uses.

General		
Material Status	• Commercial: Active	
Availability	• Africa & Middle East • Asia Pacific • Europe	• Latin America • North America
Features	• Acid Resistant • Chemical Resistant • Creep Resistant • Flame Retardant • Food Contact Acceptable • Good Adhesion • Good Dimensional Stability • Good Thermal Stability	• Good Toughness • High Heat Resistance • High Molecular Weight • High Tensile Strength • Hydrolysis Resistant • Low Flow • Medium Rigidity
Uses	• Filtration Media	• Membranes
RoHS Compliance	• Contact Manufacturer	
Appearance	• Transparent - Slight Yellow	
Forms	• Powder	
Processing Method	• Cast Film • Coating	• Solution Processing

Physical	Typical Value	Unit	Test method
Density / Specific Gravity	1.37		ASTM D792
Water Absorption (24 hr)	0.60	%	ASTM D570
Solution Viscosity[1]	1800	mPa·s	Internal Method
Residual Solvent	< 0.10	%	Internal Method

Thermal	Typical Value	Unit	Test method
Glass Transition Temperature	220	°C	ASTM E1356

Notes

Typical properties: these are not to be construed as specifications.

[1] 25% in dimethylacetamide at 40°C

Veradel® 3000MP
polyethersulfone

www.syensqo.com

Safety Data Sheets (SDS) are available by emailing us or contacting your sales representative. Always consult the appropriate SDS before using any of our products.

Neither Syensqo nor any of its affiliates makes any warranty, express or implied, including merchantability or fitness for use, or accepts any liability in connection with this product, related information or its use. Some applications of which Syensqo's products may be proposed to be used are regulated or restricted by applicable laws and regulations or by national or international standards and in some cases by Syensqo's recommendation, including applications of food/feed, water treatment, medical, pharmaceuticals, and personal care. Only products designated as part of the Solviva® family of biomaterials may be considered as candidates for use in implantable medical devices. The user alone must finally determine suitability of any information or products for any contemplated use in compliance with applicable law, the manner of use and whether any patents are infringed. The information and the products are for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process. This is not a license under any patent or other proprietary right.