

Veradel® 3000MP

Polyethersulfone
Solvay Specialty Polymers

Message:

Veradel® 3000MP is a high molecular weight polyethersulfone (PESU) homopolymer powder, which is specially used to produce microporous and ultra-fine filter membranes in the form of hollow fibers and flat membranes. Veradel 3000MP has high purity, good toughness and excellent hydrolysis resistance. At the same time, it has excellent resistance to mineral acids, alkalis and good resistance to medium concentration chlorine. All Veradel PESU polymers can be sterilized by various methods such as steam, gamma rays, electron beams and ethylene oxide. Veradel PESU polymers are available with different low fractions and good grades, ranging from 3000MP to 3600P P. Molecular weight is directly related to solution viscosity. It is usually used to Veradel 3000MP suitable applications, including hemodialysis, drinking water purification, reverse osmosis equipment pretreatment, sewage treatment, food and beverage processing, and various other industrial and biological process fluid filtration.

General Information			
Features	Good dimensional stability		
	High molecular weight		
	High tensile strength		
	Good creep resistance		
	Good adhesion		
	Low liquidity		
	Good chemical resistance		
	Heat resistance, high		
	Hydrolysis resistance		
	acid resistance		
	Thermal stability, good		
	Good toughness		
	Compliance of Food Exposure		
	Medium hardness		
	Flame retardancy		
Uses	Filter material		
	Membrane		
RoHS Compliance	Contact manufacturer		
Appearance	Transparent-Slightly Yellow		
Forms	Powder		
Processing Method	cast film		
	Solution treatment		
	Coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.60	%	ASTM D570

Solution Viscosity ¹	1800	mPa · s	Internal method
Residual Solvent		%	Internal method
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	220	°C	ASTM E1356
NOTE			
1.	40°C,25% dimethylacetamide		

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