Eviva® EV-501
polysulfone

Eviva® EV-501 polysulfone (PSU) is offered for use in implantable medical devices. Eviva® EV-500 is the neat version of the polymer and Eviva® EV-501 is an opaque white grade.

The manufacturing facility for Eviva® PSU in Alpharetta, GA is ISO 13485 registered and the relevant aspects of current Good Manufacturing Practices are also applied.

Our biomaterials manufacturing processes are carefully validated and enhanced controls provide product traceability. In addition, all materials are tested in a lab that is ISO 17025 accredited.

An FDA MAF is available.

General		
Material Status	• Commercial: Active	
Availability	• Asia Pacific • Europe	• North America
Uses	• Body Implants	• Medical/Healthcare Applications
Agency Ratings	• ISO 10993	• ISO 13485
Appearance	• Opaque	• White
Forms	• Pellets	

Physical	Typical Value	Unit	Test method
Density / Specific Gravity	1.24 to 1.28		ASTM D792
Melt Mass-Flow Rate (MFR) (343°C/2.16 kg)	5.0 to 9.0	g/10 min	ASTM D1238

Mechanical	Typical Value	Unit	Test method
Tensile Modulus	> 2300	MPa	ASTM D638
Tensile Strength (Yield)	> 65.5	MPa	ASTM D638
Tensile Elongation (Break)	> 20	%	ASTM D638

Thermal	Typical Value	Unit	Test method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Annealed	> 168	°C	

Additional Information	Typical Value	Unit	Test method
Cytotoxicity	Pass		ISO 10993:5
Physiochemical Testing	Pass		ISO 10993:18

Notes

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

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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.

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