

# Product Comparison



## Product Description

Eviva®  
EV-501

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.

Eviva®  
EV-500

Eviva® EV-500 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 biomaterial 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	Eviva® EV-501	Eviva® EV-500		
Manufacturer / Supplier	• Syensqo	• Syensqo		
Generic	• PSU	• PSU		
Material Status	• Commercial: Active	• Commercial: Active		
Availability	• Asia Pacific • Europe • North America	• Asia Pacific • Europe • North America		
Uses	• Body Implants • Medical/Healthcare Applications	• Body Implants • Medical/Healthcare Applications		
Agency Ratings	• ISO 10993 • ISO 13485	• ISO 10993 • ISO 13485		
Appearance	• Opaque • White	• Clear/Transparent		
Forms	• Pellets	• Pellets		
Physical	Eviva® EV-501	Eviva® EV-500	Unit	Test method
Density / Specific Gravity	1.24 to 1.28	1.22 to 1.26		ASTM D792
Melt Mass-Flow Rate (MFR) (343°C/2.16 kg)	5.0 to 9.0	5.0 to 9.0	g/10 min	ASTM D1238

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Mechanical	Eviva® EV-501	Eviva® EV-500	Unit	Test method
Tensile Modulus	> 2300	> 2300	MPa	ASTM D638
Tensile Strength (Yield)	> 65.5	> 70.0	MPa	ASTM D638
Tensile Elongation (Break)	> 20	> 20	%	ASTM D638

Thermal	Eviva® EV-501	Eviva® EV-500	Unit	Test method
Deflection Temperature Under Load				ASTM D648
1.8 MPa, Annealed	> 168	> 168	°C	

Additional Information	Eviva® EV-501	Eviva® EV-500	Unit	Test method
Cytotoxicity	Pass	Pass		ISO 10993:5
Physiochemical Testing	Pass	Pass		ISO 10993:18

## Notes

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

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