

Product Description

Zeniva® ZA-500 PEEK is a grade of polyetheretherketone offered for use in implantable devices. It is available in rod and plate fabricated forms.

Properties	Test Methods	Typical Values (Note 1)
Physical Properties		
Specific Gravity	ASTM D792	1,29
Mechanical Properties		
Tensile Modulus	ASTM D638	3600 Mpa
Tensile Strength (Yield)	ASTM D638	95 Mpa
Tensile Elongation at Yield	ASTM D638	5,2%
Tensile Elongation at Break	ASTM D638	35%
Flexural Modulus	ASTM D790	4000 Mpa
Flexural Strength (Yield)	ASTM D790	150 Mpa
Notched Izod Impact	ASTM D256	90 J/m
Thermal Properties		
Glass Transition Temperature	ASTM D3418	150°C
Peak Melting Temperature	ASTM D3418	150°C
Peak Crystallization Temperature	ASTM D3418	150°C
Melt Viscosity	ASTM D3835	430 Pa·s
Additional Information		
Cytotoxicity	ISO 10993-5	Pass
Physicochemical Testing	ISO 10993-18	Pass

NOTES FOR DATASHEET

Note 1 - All properties are typical properties. These properties are provided by Solvay historical testing. These are not to be interpreted as a guarantee, and datasheet values are not a specification.

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IMPORTANT: Most plastics will ignite and sustain flame under certain conditions. Caution is urged where any material may be exposed to open flame or heat-generating equipment. Use Material Safety Data Sheets to determine auto-ignition and flashpoint temperatures of materials, or consult MediTECH if additional information is needed.