PEEK-CLASSIX™ BC1 BLACK

Polyaryletherketone

Invibio Inc.

Message:

PEEK-CLASSIX™ polymer from Invibio® is a high performance, biocompatible thermoplastic designed for medical device applications requiring blood or tissue contact of less than 30 days. A polyaryletherketone, PEEK-CLASSIX polymer is one of the most chemically resistant polymers available and exhibits a superior combination of strength, stiffness and toughness making it ideally suited for medical device applications.
The polymer can be processed through conventional techniques including injection molding, extrusion, machining and compression molding allowing medical device manufacturers broad design and manufacturing flexibility.
PEEK-CLASSIX polymer is designed for use in medical devices that require short term contact with blood or tissue of less than 30 days. It is not for use in devices designed for long term implantation or requiring contact with blood or tissue of greater than 30 days.

General Information	
Features	Autoclave Sterilizable
	Biocompatible
	Ethylene Oxide Sterilizable
	Good Chemical Resistance
	Good Dimensional Stability
	Good Impact Resistance
	Good Processability
	Good Sterilizability
	Good Strength
	Good Wear Resistance
	Hydrolytically Stable
	Radiation Sterilizable
	Steam Sterilizable
Uses	Disposable Hospital Goods
	Fluid Handling
	Labware
	Medical Devices
	Medical/Healthcare Applications
	Thin-walled Parts
	Tubing
Agency Ratings	ISO 10993
	ISO 10993 Part 10
	ISO 10993 Part 5
	ISO 10993-Part 1
	USP Class VI
Appearance	Black

	Colors Available

Forms	Pellets
Processing Method	Compression Molding Extrusion Injection Molding Machining

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm^3	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	95.0	MPa	ISO 527-2
Tensile Strain (Break)	> 25	%	ISO 527-2
Flexural Modulus	4000	MPa	ISO 178
Flexural Stress	154	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength	7.2	kJ/m^2	ISO 180

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT