

Technisches Datenblatt

SustaPEEK MG - ASTM

Typische Eigenschaften

- Biokompatibel

Typische Industrien

- Elektroindustrie
- Healthcare

	Testverfahren	Einheit	Wert
Allgemeine Eigenschaften			
Dichte	ASTM D792	g / cm ³	1.32
Water Absorption 24 hours	ASTM D570	%	0.1
Water Absorption Saturation	ASTM D570	%	0.5
Mechanische Eigenschaften			
Härte	ASTM D2240	Shore D	85
Tensile Strength at yield 73°F	ASTM D638	psi	16000
Tensile Modulus	ASTM D638	psi	500000
Reißdehnung	ASTM D638	%	20
Flexural Strength	ASTM D790	psi	25000
Flexural Modulus	ASTM D790	psi	600000
Rockwell Hardness	ASTM D785		105
Rockwell Hardness	ASTM D785	R	126
Izod Impact, Notched	ASTM D256	ft-lb/in	1.2
Thermische Eigenschaften			
Wärmeleitfähigkeit		in/hr/ft ² /°F	1.73
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10 ⁻⁵	2.6
Melting Point	ASTM D789	°F	630
Continuous Service Temperature, Air		°F	480
Deflection Temperature at 1.8Mpa (264psi)	ASTM D648	°F	320
Deflection Temperature at 1.8Mpa (66psi)	ASTM D648	°F	360
Elektrische Eigenschaften			
Oberflächenwiderstand	ASTM D257	Ω/cm	>10 ¹³

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	Testverfahren	Einheit	Wert
Compliance properties			
FDA			Yes
NSF			No
USDA			Yes

The data stated above are average values ascertained by statistical tests on a regular basis. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.

