

## Technisches Datenblatt

# Sustanat<sup>®</sup> PC - ASTM

### Typische Eigenschaften

- Gute Dimensionsstabilität
- Geringe Feuchtigkeitsaufnahme
- Hohe Steifigkeit

### Typische Industrien

- Elektroindustrie
- Maschinen- und Anlagenbau

	Testverfahren	Einheit	Wert
<b>Allgemeine Eigenschaften</b>			
Dichte	ASTM D792	g / cm <sup>3</sup>	1.2
Water Absorption 24 hours	ASTM D570	%	0.15
Dissipation Factor	ASTM D150	1MHz	0.006
Water Absorption Saturation	ASTM D570	%	0.35
<b>Mechanische Eigenschaften</b>			
Härte	ASTM D2240	Shore D	80
Tensile Strength at yield 73°F	ASTM D638	psi	10000
Tensile Modulus	ASTM D638	psi	320000
Reißdehnung	ASTM D638	%	75
Flexural Strength	ASTM D790	psi	13000
Flexural Modulus	ASTM D790	psi	340000
Compressive Strength	ASTM D695	psi	11500
Rockwell Hardness	ASTM D785		75
Rockwell Hardness	ASTM D785	R	126
Shear Strength	ASTM D732	psi	9000
Izod Impact, Notched	ASTM D256	ft-lb/in	10
Coefficient of Friction, Dynamic			0.38
<b>Thermische Eigenschaften</b>			
Wärmeleitfähigkeit		in/hr/ft <sup>2</sup> /°F	1.3
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10 <sup>-5</sup>	3.8
Melting Point	ASTM D789	°F	310

#### Röchling Industrial Gastonia, LP

903 Gastonia Technology Parkway • 28034 Dallas/United States (US) • Tel. +1 704 922-7814  
[info.gastonia@roechling.com](mailto:info.gastonia@roechling.com) • [www.roechling.com/industrial/rep-us](http://www.roechling.com/industrial/rep-us)

Print: 27/07/2024 • Release: 08/04/2024 • Version: 1.0  
 PIM-Version: 40 • PIM-ID: 717923 • PIM-Code: 40-14-150.11.131-11.5-2



	Testverfahren	Einheit	Wert
Continuous Service Temperature, Air		°F	250
Deflection Temperature at 1.8Mpa (264psi)	ASTM D648	°F	280
Deflection Temperature at 1.8Mpa (66psi)	ASTM D648	°F	295
Flammability, UL94		1/8 inch	HB
<b>Elektrische Eigenschaften</b>			
Dielektrizitätszahl	ASTM D150	1MHz	3.2
Durchschlagfestigkeit	ASTM D149	V/mil	380
Oberflächenwiderstand	ASTM D257	Ω/cm	>10 <sup>13</sup>
<b>Compliance properties</b>			
FDA			No
NSF			No
USDA			No

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.

### Röchling Industrial Gastonia, LP

903 Gastonia Technology Parkway • 28034 Dallas/United States (US) • Tel. +1 704 922-7814  
 info.gastonia@roechling.com • www.roechling.com/industrial/rep-us

Print: 27/07/2024 • Release: 08/04/2024 • Version: 1.0  
 PIM-Version: 40 • PIM-ID: 717923 • PIM-Code: 40-14-150.11.131-11.5-2

