

Technisches Datenblatt

Sustadur[®] PET TF - ASTM

Typische Industrien

- Fördertechnik & Automation
- Maschinen- und Anlagenbau
- Elektronik
- Fahrzeugbau
- Lebensmittelindustrie
- Back- und Süßwaren
- Getränkeindustrie

	Testverfahren	Einheit	Wert
Allgemeine Eigenschaften			
Dichte	ASTM D792	g / cm ³	1.44
Water Absorption 24 hours	ASTM D570	%	0.06
Dissipation Factor	ASTM D150	1MHz	0.02
Water Absorption Saturation	ASTM D570	%	0.47
Mechanische Eigenschaften			
Härte	ASTM D2240	Shore D	80
Tensile Strength at yield 73°F	ASTM D638	psi	10500
Tensile Modulus	ASTM D638	psi	377000
Reißdehnung	ASTM D638	%	5
Flexural Strength	ASTM D790	psi	14000
Flexural Modulus	ASTM D790	psi	360000
Compressive Strength	ASTM D695	psi	15000
Rockwell Hardness	ASTM D785		94
Shear Strength	ASTM D732	psi	8500
Izod Impact, Notched	ASTM D256	ft-lb/in	0.4
Coefficient of Friction, Dynamic			0.19
Thermische Eigenschaften			
Wärmeleitfähigkeit		in/hr/ft ² /°F	1.9
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10 ⁻⁵	4.5



	Testverfahren	Einheit	Wert
Melting Point	ASTM D789	°F	491
Continuous Service Temperature, Air		°F	210
Deflection Temperature at 1.8Mpa (264psi)	ASTM D648	°F	180
Deflection Temperature at 1.8Mpa (66psi)	ASTM D648	°F	338
Flammability, UL94		1/8 inch	HB
Elektrische Eigenschaften			
Dielektrizitätszahl	ASTM D150	1MHz	3.2
Durchschlagfestigkeit	ASTM D149	V/mil	400
Oberflächenwiderstand	ASTM D257	Ω/cm	>10 ¹³
Compliance properties			
NSF			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.

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Print: 27/07/2024 • Entwurf: 21/09/2023

PIM-Version: 26 • PIM-ID: 717917 • PIM-Code: 26-14-11.5.8.7.5.5.6-2

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