Technical Data Sheet

Sustadur® PET TF - ASTM

Typical industries

- Sistemas de transporte y automatización
- Construcción de máquinas e instalaciones
- Electrónica
- Construcción de vehículos
- Industria alimentaria
- Productos de bollería y dulces
- Industria de bebidas

	Test method	Unit	Guideline value
General properties			
Density	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
Mechanical properties			
Hardness	ASTM D2240	Shore D	80
Tensile Strength at yield 73°F	ASTM D638	psi	10500
Tensile Modulus	ASTM D638	psi	377000
Elongation at Break	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
Thermal properties			

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	Test method	Unit	Guideline value
Thermal Conductivity		in/hr/ft^2 /°F	1.9
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10^{-5}	4.5
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
Electrical properties			
Dielectric constant	ASTM D150	1MHz	3.2
Dielectric strength	ASTM D149	V/mil	400
Surface resistivity	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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