

# Technical data sheet

## SUSTADUR PET TF

Physical Properties	tested method	unit	value
Specific Gravity	D792	g/cm <sup>3</sup>	1.44
Water Absorption 24 hours	D570	%	0.06
Water Absorption Saturation	D570	%	0.47
Dissipation Factor	D150	1 MHz	0.02
Mechanical Properties	tested method	unit	value
Hardness	D785	Shore D	D80
Rockwell Hardness	D785	M	M94
Rockwell Hardness	D785	R	-
Tensile Strength at yield 73 °F	D638	psi	10,500
Tensile Modulus	D638	psi	377,000
Elongation at Break	D638	%	5
Flexural Strength	D790	psi	14,000
Flexural Modulus	D790	psi	360,000
Compressive Strength	D695	psi	15,000
Shear Strength	D732	psi	8,500
Izod Impact, Notched	D256	ft-lb/in	0.4
Coefficient of Friction	-	-	0.19
Thermal Properties	tested method	unit	value
CTE, linear	D696	in/in/°F	4.5x10 <sup>-5</sup>
Melting Point	D3418	°F	491
Continuous Use	-	°F	210
Thermal Conductivity	-	in/hr/ft <sup>2</sup> /F°	1.9
Deflection Temperature at 1.8Mpa (66psi)	D648	°F	338
Deflection Temperature at 1.8Mpa (264psi)	D648	°F	180
Flammability, UL94	-	1/8 inch	HB
Electrical Properties	tested method	unit	value
Dielectric constant	D150	-	3.2
Surface resistivity	D257	Ohm/cm	10 <sup>16</sup>
Dielectric strength	D149	V/mil	400
Compliance Properties	tested method	unit	value
FDA	-	-	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.