

Technical data sheet

SUSTARIN® H AF – DE588 (Acetal - Delrin® AF Blend)

Product characteristics

- Certified to meet military specs for NAV/SEA
- Good dimensional stability
- Very good wear resistance

Typical field of application

- Mechanical engineering
- Electrical industry
- Military applications

Physical Properties	tested method	unit	value
Specific Gravity	D792	g/cm ³	1.54
Water Absorption 24 hours	D570	%	0.2
Water Absorption Saturation	D570	%	0.8
Dissipation Factor	D150	1 MHz	0.009
Mechanical Properties	tested method	unit	value
Hardness	D785	Shore D	D76
Rockwell Hardness	D785	M	M50
Rockwell Hardness	D785	R	R110
Tensile Strength at yield 73 °F	D638	psi	6,630
Tensile Modulus	D638	psi	540,000
Elongation at Break	D638	%	30
Flexural Strength	D790	psi	12,500
Flexural Modulus	D790	psi	405,000
Compressive Strength	D695	psi	12,600
Shear Strength	D732	psi	-
Izod Impact, Notched	D256	ft-lb/in	-
Coefficient of Friction, Dynamic	-	-	-
Thermal Properties	tested method	unit	value
CTE, linear	D696	in/in/°F	4.4x10 ⁻⁵
Melting Point	D3418	°F	350
Continuous Use	-	°F	185
Thermal Conductivity	-	in/hr/ft ² /F°	2
Deflection Temperature at 1.8Mpa (66psi)	D648	°F	334
Deflection Temperature at 1.8Mpa (264psi)	D648	°F	244
Flammability, UL94	-	1/8 inch	HB
Electrical Properties	tested method	unit	value
Dielectric constant	D150	-	3.1
Surface resistivity	D257	Ohm/cm	10 ¹⁶
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.