

Technical Data Sheet

Sustarin[®] H - ASTM

Typical characteristics

- Buena estabilidad dimensional
- Baja absorción de humedad
- Buena resistencia al desgaste
- alta resistencia mecánica, rigidez y tenacidad
- alta resistencia a la fluencia
- Buena maquinabilidad

Typical industries

- Sistemas de transporte y automatización
- Construcción de máquinas e instalaciones
- Electrónica

| | Test method | Unit | Guideline value |
|---|-------------|----------------------------|-----------------|
| General properties | | | |
| Density | ASTM D792 | g / cm ³ | 1.42 |
| Water Absorption | ASTM D570 | % | 0.7 |
| Water Absorption 24 hours | ASTM D570 | % | 0.2 |
| Mechanical properties | | | |
| Tensile Strength at yield 73°F | ASTM D638 | psi | 10500 |
| Tensile Modulus | ASTM D638 | psi | 420000 |
| Elongation at Break | ASTM D638 | % | 40 |
| Flexural Strength | ASTM D790 | psi | 12000 |
| Flexural Modulus | ASTM D790 | psi | 400000 |
| Compressive Strength | ASTM D695 | psi | 16000 |
| Rockwell Hardness | ASTM D785 | | 94 |
| Rockwell Hardness | ASTM D785 | R | 122 |
| Shear Strength | ASTM D732 | psi | 9000 |
| Izod Impact, Notched | ASTM D256 | ft-lb/in | 1.2 |
| Coefficient of Friction, Dynamic | | | 0.12 |
| Thermal properties | | | |
| Thermal Conductivity | | in/hr/ft ² /°F | 2.0 |
| Coefficient of Linear Thermal Expansion | ASTM D696 | in/in/°F x10 ⁻⁵ | 6.7 |
| Melting Point | | °F | 347 |



| | Test method | Unit | Guideline value |
|---|-------------|----------|------------------|
| Continuous Service Temperature, Air | | °F | 185 |
| Deflection Temperature at 1.8Mpa (264psi) | ASTM D648 | °F | 242 |
| Deflection Temperature at 1.8Mpa (66psi) | ASTM D648 | °F | 290 |
| Flammability, UL94 | | 1/8 inch | HB |
| Electrical properties | | | |
| Dielectric constant | ASTM D150 | 1MHz | 3.1 |
| Dielectric strength | ASTM D149 | V/mil | 400 |
| Surface resistivity | ASTM D257 | Ω/cm | 10 ¹⁶ |
| Compliance properties | | | |
| FDA | | | Yes |
| NSF | | | No |
| USDA | | | Yes |

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.

