

# AMILON™ 22



AMILON™ 22 is the recommended material for use in wet or submerged applications. This material is also great in applications where the mating surface is soft or non-ferrous.

AMILON™ 22 can be used in applications ranging in temperature from -400°F (-240°C) to 500°F (260°C).

Material is available in molded rods and cylinders as well as skived or molded sheets. It can also be supplied with chemically modified surfaces for bonding as an optional feature

## FEATURES

- Color: black
- FDA compliant
- Excellent strength
- Excellent thermal conductivity
- Electrostatic dissipation
- Comparable to Rulon® 123

## APPLICATIONS

- Soft bearing and sealing material
- Pumps, mixers, compressors, liners
- Good in applications where electrostatic dissipation is required or desired

## TYPICAL PROPERTIES

AMILON™ 22 MATERIAL PROPERTIES			
Property	Test Method	Unit	Value
Color	---	---	Black
Operating Temperature Range	---	°F	-400 to +500
Specific Gravity	ASTM D4745	g/cc	2.14
Hardness (initial)	ASTM D2240	Shore D	66
Hardness (15 second)	ASTM D2240	Shore D	61
Tensile Strength	ASTM D4745	psi	3740
Elongation	ASTM D4745	%	250
Deformation Under Load (Permanent Deformation After 24hrs, 2175 psi)	Based on ASTM D621	%	3
Coefficient of Thermal Expansion			
75 - 200 F, Molded Direction	ASTM E-831	in/in F	$6.1 \times 10^{-5}$
75 - 300 F, Molded Direction			$6.8 \times 10^{-5}$
Thermal Conductivity	ASTM E1530	W / m K	0.39
Water Absorption	ASTM D570	%	0

Warning: Properties shown on this document are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations, consult Altamira Material Solutions. While the utmost care has been used in compiling this document, we assume no responsibility for errors. This edition cancels all previous issues. Subject to change without notice. RULON® is a registered trademark of Saint-Gobain Performance Plastics Corporation.

customerservicehou@evantic.com  
Phone: 855-686-8600  
Fax: 713-466-3721

# EVANTIC

6455 Clara Rd, #300  
Houston, TX 77041  
[www.evantic.com](http://www.evantic.com)

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