GALLAGHER
Fluid Seals, Inc.
The Seal Specialist

GFS AN40

40% Glass Fiber Reinforced Nylon 6

Mechanical, Physical, and Thermal Properties

Property	Value	Unit	Value	Unit
Tensile Strength, Yield	29,000	PSI	200	MPa
Tensile Elongation, Break	4.0	%	4.0	%
Flexural Strength	42,050	PSI	290	MPa
Flexural Modulus	2,000,000	PSI	13,800	MPa
Compressive Strength	28,275	PSI	195	MPa
Izod Impact Strength, Notched	3.5	ft lb/in	14	KJ/m2
Heat Deflection Temperature	410	°F	210	°C
Service Temperature Range	-65 to 285	°F	- 54 to 140	°C
Specific Gravity	1.45	-	1.45	-
Hardness, Rockwell	90	M Scale	90	M Scale
Moisture Absorption	0.25	%	0.25	%

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Features

- High wear resistance
- High compressive strength
- Good temperature resistance
- Low moisture absorption
- Excellent fluid resistance
- Cost effective

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