

GFS Virgin PTFE

23% Carbon + 2% Graphite

Mechanical, Physical, and Thermal Properties

Properties	Condition	Standard	Unit	
Color				Dark Gray
Hardness (Type D)	68°F (20°C)	ASTM D2240		70
Density	68°F (20°C)	ASTM D792	g/cm ³	2.08
Flexural Modulus	.03 in/min	ASTM D790 METHOD A	psi	281018
Flexural Strength	5% Strain	ASTM D790 METHOD A	psi	3078
Tensile Strength	68°F (20°C)	ASTM D 1708	psi	2768
Tensile Elongation	68°F (20°C)	ASTMD1708	%	23.4
Compressive Strength	73°F (23°C)	ASTMD695	psi	3464
Compressive Modulus	73°F (23°C)	ASTM D695	psi	57985

Application:

- > Carbon filled PTFE has excellent compressive strength, wear, and chemical resistance. It provides good thermal conductivity and low permeability. An ideal material for dynamic sealing applications.

DISCLAIMER:

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