

**TECHNICAL DATASHEET**

# Fluorolon PTFE Alloy 1034

**Product Description:**

Fluorolon 1034 is reinforced PTFE with 23% Carbon/2% Graphite. This additive improves the wear properties, reduce creep or extrusion. The material has the ability to run under dry or wet conditions

**Applications:** Highspeed shaft seals, low friction bearings, ball valve seats, bone dry compressor rings

Specifications: ASTM D 4745, ASTM D 3294, ASTM D 3295

**Product Properties:**

- Dimensional stability
- Improved creep resistance
- Higher PV Value
- Improved wear resistance
- Abrasion resistance
- Electrical conduction

	Property	Method	Units	Specification
Physical	Color	White	--	White
	Specific Gravity	ASTM D792	gr/cc	2.06
	Water Absorption	ASTM D570	%	0.007
	Flammability	UL 94		V-0
Mechanical	Tensile Strength	ASTM D638	psi	2300
	Elongation	ASTM D638	%	105
	Hardness	ASTM D1706	Durometer D	86
	Compressive strength	ASTM D695-57	psi	2500
	Coefficient of Friction	ASTM D3702	static	0.08
	Deformation 78 F@ 2000psi/24h	ASTM D621	%	12.6
	Flexural Strength	ASTM D790	psi	4300
	Flexural Modulus	ASTM D790	Psi	240,000
Thermal	Coefficient of Thermal Expansion	ASTM D696	in/in/°F	4.7 x 10 <sup>-6</sup> th
	Max Service Temp Continuous		*F	+500
	Minimum Service Temp Continuous		*F	-425