

# Algoflon® G10

## polytetrafluoroethylene

Algoflon® G10 is a polytetrafluoroethylene (PTFE) virgin resin. This product has been developed as a PTFE resin for

use in ASTM D4894-15, Type 1 applications. Algoflon® G10 is recommended for use in pyrotechnic applications.

### General

Material Status	• Commercial: Active
Availability	• Europe
Features	• Chemical Resistant
Uses	• Additive • Blending
Appearance	• White
Forms	• Powder
Processing Method	• Compression Molding

Physical	Typical Value	Unit	Test method
Specific Gravity	2.13 to 2.18		ASTM D4894
Average Particle Size	550	µm	ASTM D4894
Bulk Density	500	g/l	ASTM D4894

Mechanical	Typical Value	Unit	Test method
Tensile Strength - minimum	13.9	MPa	ASTM D4894
Elongation at Break - minimum	150	%	ASTM D4894

### Additional Information

Algoflon® G10 is classified as Type I Grade 1 resin in ASTM 04894, with the exception of Bulk Density.

NOTE: The data listed above fall with in the normal range of product properties, but they should not be used to establish specification limits nor be used alone as the basis of design.

### SAFETY & HANDLING

Algoflon® G10 should be handled like other Algoflon® PTFE resins. When PTFE resins are heated to temperatures above 420°C, minor amounts of decomposition products, which may be harmful, are given off. Avoid inhalation of these fumes. Ovens and process equipment should be vented and adequate ventilation provided in the working area.

For further information refer to the Algoflon® PTFE Material Safety Data Sheet.