

## Fluon+<sup>TM</sup> LaserWrite Concentrates Product Information

### Description

Fluon+ LaserWrite are a series of concentrates designed for use in wire and cable applications which require written identification via laser marking. LaserWrite can be added to the jacket or insulation resin, along with a standard color concentrate, to allow most constructions to be marked via laser. LaserWrite concentrates are based on a variety of fluoropolymer resins and are supplied as a cylindrical pellet.

### Compound Available

Product	Base Resin	MFR (g/10 min)
Fluon+ E-LaserWrite	Fluon® ETFE	25
Fluon+ F-LaserWrite	FEP	30
Fluon+ P-LaserWrite	Fluon® PFA	25

Additional LaserWrite concentraes may be available in alternative resins upon request.

### Benefits

- The masterbatch will mix well into existing resin and color concentrate formulations
- Can be used with any melt processable resin system
- Allows for wire and cable constructions to be marked permanently
- High contrast ratios are achievable
- Can also be produced as a ready-to-use (RTU) compound

### End Uses

Fluoropolymer jacket or insulation where a laser-markable surface is required. Custom compounds may be available upon request.

### Processing

These products are added (approximately 3%), along with a standard color concentrate, to natural fluoropolymer resin and processed using conventional thermoplastic such as melt extrusion.

### Hazardous Substances

This product does not contain lead, hexavalent chromium, or cadmium, and are used in applications where RoHS (Restrictions on the use of Certain Hazardous Substances) compliance is required.



## Fluon+™ LaserWrite Concentrates Product Information

### Handling Precautions

Heating Fluon® and Fluon+™ products in excess of 750°F (399°C) can produce toxic fumes. It is, therefore, necessary to provide local exhaust ventilation in areas where Fluon® products are exposed to high temperatures. Avoid breathing fumes or contaminating smoking tobacco with fumes, powder, or dust.

Thermal decomposition of this product will generate hydrogen fluoride, which is corrosive. Corrosion resistance materials are required for prolonged contact with molten resin.

### Safe Handling Information

A summary of the hazards, as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200 for this product are:

Physical hazards: None

Health hazards: None

FOR ADDITIONAL INFORMATION AND HANDLING INSTRUCTIONS READ AGC CHEMICALS AMERICAS, INC. MATERIAL SAFETY DATA SHEET.

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