

## Fluon<sup>®</sup> FC 111 Typical Properties

### DESCRIPTION

Fluon<sup>®</sup> FC 111 (310 111 020) is a 5% molybdenum disulfide filled PTFE product. This compound is supplied dry powder form.

### TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Units	Typical Property
Specific Gravity	ASTM D-4745		2.21
Filler Content	ASTM D-4745	%	5
Tensile Strength	ASTM D-4745	PSI	3,900
Elongation	ASTM D-4745	%	250
Hardness	ASTM D-2240		
Peak		Shore D	61
Sustained		Shore D	59

### END USES

Molybdenum disulfide is added to PTFE to improve the wear properties, increase surface hardness, and decrease the coefficient of friction without sacrificing the chemical and thermal resistance of the polymer.

### PROCESSING

This product can be processed using compression molding equipment to mold thick-walled parts.

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## PACKAGING

Fluon® FC 111 is packaged in a lined cardboard fiber drum containing 130 pounds.

## HANDLING PRECAUTIONS

Heating 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.

### For more information and samples contact

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