

# 3M™ Dyneon™ Fluoroplastic PFA

## 6510GV15WZ

Perfluoroalkoxy

3M Advanced Materials Division

Message:

3M™ Dyneon™ Fluoroplastic PFA 6510GV15WZ is a fluorothermoplastic compound consisting of a fully fluorinated copolymer of tetrafluoroethylene and perfluorovinylether and glass fibers. The material has exceptional heat resistance, excellent electrical properties and excellent chemical and weather resistance. It is used for injection molded parts with high wear resistance and form stability.

Features

- Wide service temperature range
- Good resistance to solvents and chemicals
- Extremely high weathering resistance and UV stability
- Good electrical properties
- High limiting oxygen index: Does not support combustion
- Good non-stick characteristics
- Good low-friction properties
- Good form stability
- Extremely high wear resistance

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Copolymer		
	Good Chemical Resistance		
	Good Electrical Properties		
	Good UV Resistance		
	Good Wear Resistance		
	Good Weather Resistance		
	High Heat Resistance		
	Low Friction		
	Non-Stick		
Forms	Pellets		
	Injection Molding		
	Solvent Resistant		
Physical	Nominal Value	Unit	Test Method
Density	2.20	g/cm³	ISO 12086
Melt Mass-Flow Rate (MFR) (372°C/5.0 kg)	10	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	17.0	MPa	ISO 527-1
Tensile Strain (Break, 23°C)	20	%	ISO 527-1
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	308	°C	ISO 12086
Injection	Nominal Value	Unit	

Processing (Melt) Temp	250 to 400	°C
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#### Recommended distributors for this material

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