

# 3M™ Dyneon™ PTFE Compound TF 4216

Polytetrafluoroethylene

3M Advanced Materials Division

## Message:

### Features

Dyneon™ PTFE Compound with 33 % electrographitized carbon

Free flow compound

General Information	
Filler / Reinforcement	Carbon Fiber,33% Filler by Weight
Features	Good Flow
Processing Method	Compression Molding Sintering

Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.09	g/cm <sup>3</sup>	ASTM D4745-06
Apparent Density	0.69	g/cm <sup>3</sup>	ASTM D4894-07
Molding Shrinkage - Flow	1.9	%	ASTM D4894-07

Hardness	Nominal Value	Unit	Test Method
Shore Hardness <sup>1</sup> (Shore D)	62		DIN 53505

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Break)	14.5	MPa	ASTM D4745-06
Tensile Elongation <sup>3</sup> (Break)	70	%	ASTM D4745-06

Additional Information	Nominal Value	Unit
Compression Molding Molding Pressure	90.0	MPa
Compression Molding Temperature	23 to 26	°C
Sintering Temperature	< 365	°C

NOTE	
1.	Measured on sintered moldings
2.	Measured on sintered moldings
3.	Measured on sintered moldings

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## Recommended distributors for this material

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