

# 3M™ Dyneon™ PTFE Compound TF 6419

Polytetrafluoroethylene

3M Advanced Materials Division

## Message:

3M™ Dyneon™ PTFE Compound TF 6419 is a free-flowing suspension PTFE compound containing a 59% bronze/molybdenum disulfide filler combination for compression and automatic moulding.

### Special Features

Increased thermal dimensional stability

Increased surface hardness

Improved deformation under load

Reduced friction and wear

Good chemical stability

High limiting oxygen index (LOI)

Low friction behaviour

Very good mechanical properties

Exceptional temperature resistance

General Information			
Filler / Reinforcement	Bronze filler		
Additive	Molybdenum disulfide lubricant		
Features	Low friction coefficient		
	Lubrication		
Uses	Seals		
	Application in Automobile Field		
Forms	Powder		
Processing Method	Compression molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	3.60	g/cm <sup>3</sup>	ASTM D4745-06
Apparent Density	1.26	g/cm <sup>3</sup>	ASTM D4894-07
Molding Shrinkage - Flow	1.7	%	ASTM D4894-07
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	73		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	18.5	MPa	ASTM D4745-06
Tensile Elongation (Break)	80	%	ASTM D4745-06

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