

3M™ Dyneon™ PTFE Compound TF 8564

Polytetrafluoroethylene
3M Advanced Materials Division

Message:

3M™ Dyneon™ PTFE Compound TF 8564 is a free-flowing suspension PTFE compound containing a 20% glass/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	Glass fiber reinforced material		
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	2.23	g/cm³	ASTM D4745-06
Apparent Density	0.80	g/cm³	ASTM D4894-07
Molding Shrinkage - Flow	1.9	%	ASTM D4894-07
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	69		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	16.8	MPa	ASTM D4745-06
Tensile Elongation (Break)	250	%	ASTM D4745-06

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Recommended distributors for this material

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