

3M™ Dyneon™ PTFE Compound FC 100151000

Polytetrafluoroethylene
3M Advanced Materials Division

Message:

3M™ Dyneon™ PTFE Compound FC 100151000 is a non-free-flowing suspension PTFE compound containing 15 % glass fibre for compression moulding.

Special Features

- Increased thermal dimensional stability
- Increased surface hardness
- Improved deformation under load
- Reduced friction & wear
- Low moulding pressure
- High limiting oxygen index (LOI)
- Low friction behaviour
- Improved mechanical properties
- Exceptional temperature resistance
- Good chemical stability

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Features	Low friction coefficient		
Uses	Seals		
	Application in Automobile Field		
Forms	Powder		
Processing Method	Compression molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.20	g/cm³	ASTM D4745-06
Apparent Density	0.40	g/cm³	ASTM D4894-07
Molding Shrinkage - Flow	2.3	%	ASTM D4894-07
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	68		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	25.0	MPa	ASTM D4745-06
Tensile Elongation (Break)	300	%	ASTM D4745-06

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Recommended distributors for this material

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