

3M™ Dyneon™ PTFE Compound TF 7681

Polytetrafluoroethylene

3M Advanced Materials Division

Message:

3M™ Dyneon™ PTFE Compound TF 7681 is a non-free-flowing suspension PTFE compound containing 25% Ekonol® for compression moulding. Ekonol® is a Trademark of Saint-Gobain Group

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			
Features	Low friction coefficient		
Uses	Seals		
	Application in Automobile Field		
Forms	Powder		
Processing Method	Compression molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.84	g/cm³	ASTM D4745-06
Apparent Density	0.39	g/cm³	ASTM D4894-07
Molding Shrinkage - Flow	2.0	%	ASTM D4894-07
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	69		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	14.5	MPa	ASTM D4745-06
Tensile Elongation (Break)	250	%	ASTM D4745-06

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