

3M™ Dyneon™ PTFE Compound TF R6703

Polytetrafluoroethylene

3M Advanced Materials Division

Message:

3M™ Dyneon™ PTFE Compound TF R6703 is a free-flowing pre-sintered suspension PTFE compound containing a 20% glass/graphite filler combination for ram extrusion.

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 \graphite, 20% filler by weight		
Features	Low friction coefficient		
Uses	Seals		
	Application in Automobile Field		
Forms	Powder		
Processing Method	Plunger press-out		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.15	g/cm ³	ASTM D4745-06
Apparent Density	0.88	g/cm ³	ASTM D4894-07
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	13.8	MPa	ASTM D4745-06
Tensile Elongation (Break)	160	%	ASTM D4745-06

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