

3M™ Dyneon™ PTFE Compound FB 01N

Polytetrafluoroethylene

3M Advanced Materials Division

Message:

3M™ Dyneon™ PTFE Compound FB 01N is a free-flowing suspension PTFE compound containing 30 % bronze and 10 % carbon fibre 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	Bronze filler, 30% filler by weight		
	Carbon fiber reinforced material, 10% 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	2.58	g/cm ³	ASTM D4745-06
Apparent Density	1.00	g/cm ³	ASTM D4894-07
Particle Size	250 - 1200	µm	ASTM D4894
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	15.5	MPa	ASTM D4745-06
Tensile Elongation (Break)	220	%	ASTM D4745-06

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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