

3M™ Dyneon™ PTFE Compound PDR 04004

Polytetrafluoroethylene
3M Advanced Materials Division

Message:

3M™ Dyneon™ PTFE Compound PDR 04004 is a free-flowing blue pigmented suspension PTFE compound 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			
Features	Low friction coefficient		
Uses	Washer		
	Seals		
	Application in Automobile Field		
Appearance	Blue		
Forms	Powder		
Processing Method	Plunger press-out		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.17	g/cm ³	ASTM D4745-06
Apparent Density	0.73	g/cm ³	ASTM D4894-07
Molding Shrinkage - Flow	3.6	%	ASTM D4894-07
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	35.5	MPa	ASTM D4745-06
Tensile Elongation (Break)	530	%	ASTM D4745-06

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