

# 3M™ Dyneon™ PTFE Compound PDR 06014

Polytetrafluoroethylene

3M Advanced Materials Division

## Message:

3M™ Dyneon™ PTFE Compound PDR 06014 is a free-flowing suspension PTFE compound containing 14.5 % carbon/carbon fibre for compression and automatic moulding.

### Special Features

Increased thermal dimensional stability

Increased surface hardness

Improved deformation under load

Reduced friction & wear

Good chemical stability

High limiting oxygen index (LOI)

Low friction behaviour

Very good mechanical properties

Exceptional temperature resistance

General Information			
Filler / Reinforcement	Carbon 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	2.05	g/cm <sup>3</sup>	ASTM D4745-06
Apparent Density	0.69	g/cm <sup>3</sup>	ASTM D4894-07
Molding Shrinkage - Flow	2.1	%	ASTM D4894-07
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	69		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	21.0	MPa	ASTM D4745-06
Tensile Elongation (Break)	340	%	ASTM D4745-06

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## Recommended distributors for this material

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