

# 3M™ Dyneon™ PTFE Compound TFX R4262

Polytetrafluoroethylene

3M Advanced Materials Division

## Message:

3M™ Dyneon™ Modified PTFE Compound TFX R4262 is a free-flowing suspension compound containing 10% carbon fibre for ram extrusion.

### 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, 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	2.07	g/cm <sup>3</sup>	ASTM D4745-06
Apparent Density	0.79	g/cm <sup>3</sup>	ASTM D4894-07
Molding Shrinkage - Flow	1.4	%	ASTM D4894-07
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	67		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	23.5	MPa	ASTM D4745-06
Tensile Elongation (Break)	320	%	ASTM D4745-06

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## Recommended distributors for this material

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