

3M™ Dyneon™ Perfluoroelastomer PFE 7502BZ

Perfluoroelastomer
3M Advanced Materials Division

Message:

The new Dyneon Perfluoroelastomer compound PFE 7502BZ provides an unusual combination of very broad chemical resistance and excellent physical properties at continuous high service temperatures up to 275°C. It is ideally suited for applications in the chemical processing industry as it provides long-term reliable sealing in the most extreme environments.

PFE 7502BZ is compliant to the relevant FDA standards. Please contact us for more details.

Special Features

- 75 Shore A black compound
- Proprietary gum / cure system
- Designed for mid and high temperature applications
- Excellent chemical resistance
- Continuous operating temperature of 275 °C
- Excellent long term high temperature compression set
- Conforms to USP VI
- FDA compliant

Typical Applications

Dyneon PFE Black Compound finished products like PFE 7502BZ can be used in applications such as mechanical seals, valves, pumps, reactors, mixers and rubber-metal bonding parts, among others.

General Information			
Features	Good chemical resistance		
	Heat resistance, high		
Uses	Pump parts		
	Valve/valve components		
	Seals		
Agency Ratings	FDA not rated		
	USP Class VI		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.02	g/cm³	Internal method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	76		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	11.6	MPa	DIN 53504
Tensile Strength	15.8	MPa	DIN 53504
Tensile Elongation (Break)	130	%	DIN 53504
Compression Set			ASTM D395B
200°C, 70 hr	15	%	ASTM D395B

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