3M™ Dyneon™ Perfluoroelastomer PFE 7104BZ

Perfluoroelastomer

3M Advanced Materials Division

Message:

The Dyneon Perfluoroelastomer compound PFE 7104BZ is a peroxide curable perfluoroelastomer with a very broad chemical resistance and excellent physical properties at continuous high service temperatures up to 220°C. It is ideally suited for applications in the chemical processing industry as the product provides reliable sealing under harsh conditions.
Special Features
75 Shore A black compound
Designed for mid temperature CPI applications
Conforms to USP VI
Continuous operating temperature of 220°C
Excellent long term compression set
Typical Applications
Dyneon PFE Black Compound finished products like Dyneon Perfluoroelastomer PFE 7104BZ can be used in applications such as mechanical seals, valves, pumps, reactors, mixers, ink/printing systems, painting systems, rubber-metal bonding parts, among others.

General Information			
Features	Good chemical resistance		
Uses	Pump parts Valve/valve components Seals Printing machine parts		
Agency Ratings	USP Class VI		
Appearance	Black		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	2.00	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)	13.0	MPa	DIN 53504
Tensile Strength	17.5	MPa	DIN 53504
Tensile Elongation (Break)	140	%	DIN 53504
Compression Set (200°C, 70 hr)	29	%	ASTM D395B

Recommended distributors for this material

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