

Boda BDF-H2501

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

Material Type: Black color fluoroelastomer compound, hardness Shore A 45-55.
Based on bisphenol curable copolymers.
Features: Ultra low Hardness, excellent compression molding processability.
Process Methods: Suitable for transfer and extrusion molding processes.
Applications: O-rings, diaphragm, gaskets .etc.
Lab Testing Curing Condition:
Press Curing: 10min@170°C.
Oven: (8+16)hrs@230°C

General Information			
Features	Good Processability		
	Low Hardness		
Uses	Diaphragms		
	Gaskets		
Appearance	Black		
Processing Method	Compression Molding		
	Extrusion		
	Resin Transfer Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.88	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	52		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	8.60	MPa	ASTM D412
Tensile Elongation (Break)	470	%	ASTM D412
Compression Set ¹ (200°C, 70 hr)	30	%	ASTM D395
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (250°C, 70 hr)	4.0	%	ASTM D573
Change in Ultimate Elongation in Air (250°C, 70 hr)	-11	%	ASTM D573
Change in Durometer Hardness in Air (250°C, 70 hr)	2.0		ASTM D573
Change in Tensile Strength (23°C, 70 hr, in Reference Fuel C)	-11	%	ASTM D471
Change in Ultimate Elongation (23°C, 70 hr, in Reference Fuel C)	-14	%	ASTM D471

Change in Durometer Hardness (23°C, 70 hr, in Reference Fuel C)	-3.0		ASTM D471
Change in Volume (23°C, 70 hr, in Reference Fuel C)	4.0	%	ASTM D471
NOTE			
1.	6 mm Buttons		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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