

Boda BDBR-H5801

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

Material Type: Black color base (alkali) resistance grade fluoroelastomer compound, hardness Shore A 75~85. Based on peroxide curable fluoroelastomer with high fluorine content.

Features:

Short post cure time.

Excellent mold flow and mold release, resulting in less flash

Extraordinary chemical resistance:

Alkali

Alcohol Fuel

Steam

Acids

Chemicals containing amines, aromatics.

Process Methods: Suitable for compression, transfer molding processes.

Applications: Replacement of AFLAS, sealing parts in oilfield, heat exchangers gaskets.

Lab Testing Curing Condition:

Press Curing: 10min@170°C.

Oven: (1+4)hrs@230°C

General Information			
Features	Acid Resistant		
	Alcohol Resistant		
	Alkali Resistant		
	Fuel Resistant		
	Good Chemical Resistance		
	Good Flow		
	Good Mold Release		
	Good Moldability		
	Minimal Flash		
	Steam Resistant		
Uses	Gaskets		
	Seals		
Appearance	Black		
Processing Method	Compression Molding		
	Resin Transfer Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.98	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	78		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method

Tensile Strength (Yield)	19.5	MPa	ASTM D412
Tensile Elongation (Break)	190	%	ASTM D412
Compression Set ¹ (200°C, 70 hr)	32	%	ASTM D395
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (250°C, 70 hr)	-10	%	ASTM D573
Change in Ultimate Elongation in Air (250°C, 70 hr)	-4.0	%	ASTM D573
Change in Durometer Hardness in Air (250°C, 70 hr)	1.0		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)	-8.0	%	ASTM D471
Change in Durometer Hardness (23°C, 70 hr, in Reference Fuel C)	-2.0		ASTM D471
Change in Volume (23°C, 70 hr, in Reference Fuel C)	3.0	%	ASTM D471
NOTE			

1. 6 mm Buttons

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