

# Boda BDF-H2701

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

Material Type: Black color fluoroelastomer compound, hardness Shore A 65-75.  
Based on bisphenol curable copolymers.  
Features: Excellent mold flow, excellent mold release & good compression set.  
Process Methods: Suitable for compression, transfer, injection and extrusion molding processes.  
Applications: O-rings and gaskets  
Lab Testing Curing Condition:  
Press Curing: 10min@170°C.  
Oven: (8+16)hrs@230°C

General Information	
Features	Good Flow
	Good Mold Release
	Good Moldability
	Low Compression Set
Uses	Gaskets
Appearance	Black
Processing Method	Compression Molding
	Extrusion
	Injection Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.90	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	13.5	MPa	ASTM D412
Tensile Elongation (Break)	240	%	ASTM D412
Compression Set <sup>1</sup> (200°C, 70 hr)	15	%	ASTM D395
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (250°C, 70 hr)	-8.0	%	ASTM D573
Change in Ultimate Elongation in Air (250°C, 70 hr)	-3.0	%	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)	-12	%	ASTM D471

Change in Ultimate Elongation (23°C, 70 hr, in Reference Fuel C)	-13	%	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)	3.0	%	ASTM D471

#### NOTE

1. 6 mm Buttons

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#### Recommended distributors for this material

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