

# Boda BDF-H2851

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

Material Type: Black color fluoroelastomer compound, hardness Shore A 80-90.  
Based on bisphenol curable copolymers.  
Features: Excellent rheology, excellent mold release and good compression set.  
Process Methods: Suitable for compression molding processes.  
Applications: High pressure resistance O-rings and gaskets.  
Lab Testing Curing Condition:  
Press Curing: 10min@170°C.  
Oven: (8+16)hrs@230°C

General Information			
Features	Good Mold Release		
	Low Compression Set		
Uses	Gaskets		
Appearance	Black		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.95	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	84		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	14.3	MPa	ASTM D412
Tensile Elongation (Break)	170	%	ASTM D412
Compression Set <sup>1</sup> (200°C, 70 hr)	25	%	ASTM D395
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (250°C, 70 hr)	-7.0	%	ASTM D573
Change in Ultimate Elongation in Air (250°C, 70 hr)	-12	%	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)	-7.0	%	ASTM D471
Change in Durometer Hardness (23°C, 70 hr, in Reference Fuel C)	-4.0		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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