

# Boda BDPL-H4701

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

Material Type: Black color low-temp grade fluoroelastomer compound, hardness Shore A 65~75.Based on peroxide curable fluoroelastomer with high fluorine content.

Features:

Short post cure time

Excellent mold flow and mold release, resulting in less flash

Low temperature grade, tr10 -40°C

Extraordinary chemical resistance:

Alcohol Fuel

Steam

Acids

Chemicals containing amines

Process Methods: Suitable for compression, transfer molding processes.

Applications: Fuel injector O-ring and other low temperature sealing parts.

Lab Testing Curing Condition:

Press Curing: 10min@170°C.

Oven: (1+4)hrs@230°C

General Information			
Features	Acid Resistant		
	Alcohol Resistant		
	Fuel Resistant		
	Good Chemical Resistance		
	Good Flow		
	Good Mold Release		
	Good Moldability		
	Low Temperature Resistant		
	Minimal Flash		
	Steam Resistant		
Uses	Seals		
Appearance	Black		
Processing Method	Compression Molding		
	Resin Transfer Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.98	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	14.0	MPa	ASTM D412
Tensile Elongation (Break)	170	%	ASTM D412

Compression Set <sup>1</sup> (200°C, 70 hr)	22	%	ASTM D395
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (250°C, 70 hr)	-13	%	ASTM D573
Change in Ultimate Elongation in Air (250°C, 70 hr)	-5.0	%	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)	-13	%	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)	-2.0		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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#### Recommended distributors for this material

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