

Boda BDF-H2852

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 mold flow, improved tear resistance and bonding adhesion, improved friction resistance.
Process Methods: Suitable for compression molding processes.
Applications: Oil Seals requiring abrasion resistance and miscellaneous high pressure resistance parts.
Lab Testing Curing Condition:
Press Curing: 10min@170°C.
Oven: (8+16)hrs@230°C

General Information			
Features	Bondability		
	Good Abrasion Resistance		
	Good Adhesion		
	Good Flow		
	Good Moldability		
	Good Tear Strength		
Uses	Seals		
Appearance	Black		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.95	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	82		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	15.3	MPa	ASTM D412
Tensile Elongation (Break)	220	%	ASTM D412
Compression Set ¹ (200°C, 70 hr)	26	%	ASTM D395
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (250°C, 70 hr)	-2.0	%	ASTM D573
Change in Ultimate Elongation in Air (250°C, 70 hr)	-8.0	%	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)	-15	%	ASTM D471
Change in Ultimate Elongation (23°C, 70 hr, in Reference Fuel C)	-10	%	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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