

Boda BDF-H2602

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

Material Type: Black color fluoroelastomer compound, hardness Shore A 55-65.
Based on bisphenol curable copolymers.
Features: Excellent mold flow, improved hot tear resistance.
Process Methods: Suitable for compression, transfer and extrusion molding processes.
Applications: Hoses and rubber strips, and other complicated parts.
Lab Testing Curing Condition:
Press Curing: 10min@170°C.
Oven: (8+16)hrs@230°C

General Information			
Features	Good Flow		
	Good Moldability		
	Good Tear Strength		
Uses	Hose		
Appearance	Black		
Processing Method	Compression Molding		
	Extrusion		
	Resin Transfer Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.90	g/cm ³	ASTM D792

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	62		ASTM D2240

Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	11.2	MPa	ASTM D412
Tensile Elongation (Break)	360	%	ASTM D412
Compression Set ¹ (200°C, 70 hr)	20	%	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)	-6.0	%	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)	-9.0	%	ASTM D471
Change in Ultimate Elongation (23°C, 70 hr, in Reference Fuel C)	-12	%	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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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