

Boda BDT-H3802

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

Material Type: Black color fluoroelastomer compound, hardness Shore A 75-85.
Based on bisphenol curable terpolymer which is higher fluorine content than copolymer.
Features: Excellent mold flow, hot tear resistance, bonding adhesion, good resistance to the fuel containing alcohols.
Process Methods: Suitable for compression molding process.
Applications: Oil seals or other parts requiring metal bonding property, and complicated geometries requiring hot tear resistance.
Lab Testing Curing Condition:
Press Curing: 10min@170°C.
Oven: (8+16)hrs@230°C

General Information			
Features	Alcohol Resistant		
	Bondability		
	Fuel Resistant		
	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	1.98	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	80		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	15.8	MPa	ASTM D412
Tensile Elongation (Break)	270	%	ASTM D412
Compression Set ¹ (200°C, 70 hr)	32	%	ASTM D395
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (250°C, 70 hr)	-6.0	%	ASTM D573
Change in Ultimate Elongation in Air (250°C, 70 hr)	-10	%	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)	-11	%	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)	2.0	%	ASTM D471
NOTE			
1.	6 mm Buttons		

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