

Boda BDF-KK2801

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

Material Type: Brown color fluoroelastomer compound, hardness Shore A 75-85.
Based on bisphenol curable copolymers.
Features: Good mold flow, improved mold release, low compression set.
Process Methods: Suitable for compression, injection and transfer molding processes.
Applications: O-rings, gaskets and other sealing parts.
Lab Testing Curing Condition:
Press Curing: 10min@170°C.
Oven: (8+16)hrs@230°C

General Information			
Features	Good Flow		
	Good Mold Release		
	Good Moldability		
	Low Compression Set		
Uses	Gaskets		
	Seals		
Appearance	Brown		
Processing Method	Compression Molding		
	Injection Molding		
	Resin Transfer Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.92	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	81		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	14.0	MPa	ASTM D412
Tensile Elongation (Break)	190	%	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)	-4.0	%	ASTM D573
Change in Ultimate Elongation in Air (250°C, 70 hr)	-40	%	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)	-17	%	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)	4.0	%	ASTM D471

NOTE


1. 6 mm Buttons

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