

Boda BDP-K7702

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

Material Type: Brown color 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 Improved bonding adhesion to metal and excellent abrasion resistance.
Superior low temperature elastic and sealing property
Extraordinary chemical resistance:
Alcohol Fuel
Steam
Acids
Chemicals containing amines
Process methods: Suitable for compression, transfer, injection and extrusion molding processes.
Applications: Designed for the 3rd generation low friction oil seal.
Lab Testing Curing Condition:
Press Curing: 10min@170°C.
Oven: (1+4)hrs@230°C

General Information			
Features	Alcohol Resistant		
	Bondability		
	Fuel Resistant		
	Good Abrasion Resistance		
	Good Adhesion		
	Good Chemical Resistance		
	Good Flow		
	Good Mold Release		
	Good Moldability		
	Minimal Flash		
	Steam Resistant		
Uses	Seals		
Appearance	Brown		
Processing Method	Compression Molding		
	Extrusion		
	Injection Molding		
	Resin Transfer Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.03	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70		ASTM D2240

Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	17.0	MPa	ASTM D412
Tensile Elongation (Break)	250	%	ASTM D412
Compression Set ¹ (200°C, 70 hr)	25	%	ASTM D395
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (250°C, 70 hr)	-5.0	%	ASTM D573
Change in Ultimate Elongation in Air (250°C, 70 hr)	-7.0	%	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)	-11	%	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)	-1.0		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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