Boda BDT-H3752

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

Material Type: Black color fluoroelastomer compound, hardness Shore A 70-80.

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.

Alcohol Resistant

Bondability
Fuel Resistant

Process Methods: Suitable for compression, transfer, extrusion and injection molding processes.

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

	Good Adhesion			
	Good Flow			
	Good Moldability			
	Good Tear Strength			
Uses	Seals			
Appearance	Black			
Processing Method	Compression Molding			
	Extrusion			
	Injection Molding			
	Resin Transfer Molding			
Physical	Nominal Value	Unit	Test Method	
Specific Gravity	1.98	g/cm³	ASTM D792	
Hardness	Nominal Value	Unit	Test Method	
Tialuness	Nominal value			
Durometer Hardness (Shore A)	74		ASTM D2240	
		Unit	ASTM D2240 Test Method	
Durometer Hardness (Shore A) Elastomers	74	Unit MPa		
Durometer Hardness (Shore A)	74 Nominal Value		Test Method	
Durometer Hardness (Shore A) Elastomers Tensile Strength (Yield)	74 Nominal Value 15.4	MPa	Test Method ASTM D412	
Durometer Hardness (Shore A) Elastomers Tensile Strength (Yield) Tensile Elongation (Break)	74 Nominal Value 15.4 280	MPa %	Test Method ASTM D412 ASTM D412	
Durometer Hardness (Shore A) Elastomers Tensile Strength (Yield) Tensile Elongation (Break) Compression Set ¹ (200°C, 70 hr)	74 Nominal Value 15.4 280 32	MPa % %	Test Method ASTM D412 ASTM D412 ASTM D395	

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)	-12	%	ASTM D471
Change in Ultimate Elongation (23°C, 70)		
hr, in Reference Fuel C)	-14	%	ASTM D471
Change in Durometer Hardness (23°C, 7	0		
hr, in Reference Fuel C)	-3.0		ASTM D471
Change in Volume (23°C, 70 hr, in			
Reference Fuel C)	1.0	%	ASTM D471
NOTE			
1.	6 mm Buttons		

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