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.
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	Alcohol Resistant
	Bondability
	Fuel Resistant
	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**
Durometer Hardness (Shore A)	74		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	15.4	MPa	ASTM D412
Tensile Elongation (Break)	280	%	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)	-3.0	%	ASTM D573
Change in Ultimate Elongation in Air (250°C, 70 hr)	-11	%	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)	-12	%	ASTM D471
Change in Ultimate Elongation (23°C, 70 hr, in Reference Fuel C)	-14	%	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)	1.0	%	ASTM D471

NOTE	
1.	6 mm Buttons

Recommended distributors for this material

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