

Boda BDT-KR3752

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

Material Type: Red 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 and transfer molding processes.

Applications: oil seals, stem seals, crank shaft seals and complicated geometries.

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	Red
Processing Method	Compression 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)	77		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	13.8	MPa	ASTM D412
Tensile Elongation (Break)	260	%	ASTM D412
Compression Set ¹ (200°C, 70 hr)	29	%	ASTM D395
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (250°C, 70 hr)	-13	%	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)	2.0		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)	-11	%	ASTM D471
Change in Durometer Hardness (23°C, 70 hr, in Reference Fuel C)	-2.0		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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