

Boda BDP-H9701

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

Material Type: Black color fluoroelastomer compound, hardness Shore A 65~75.
Based on peroxide curable fluoroelastomer with very high fluorine content which brings outstanding chemicals resistance properties.
Features:
Short post cure time
Excellent mold flow and mold release, resulting in less flash
Improved bonding property to silicone rubber (VMQ)
Extraordinary chemical resistance:
Alcohol Fuel
Steam
Acids
Chemicals containing amines.
Process Methods: Suitable for compression, transfer, injection and extrusion molding processes.
Applications: The inner layer of FKM-VMQ type turbo hoses.
Lab Testing Curing Condition:
Press Curing: 10min@170°C.
Oven: (1+4)hrs@230°C

General Information			
Features	Acid Resistant		
	Alcohol Resistant		
	Bondability		
	Fuel Resistant		
	Good Chemical Resistance		
	Good Flow		
	Good Mold Release		
	Good Moldability		
	Minimal Flash		
	Steam Resistant		
Uses	Hose		
Appearance	Black		
Processing Method	Compression Molding		
	Extrusion		
	Injection Molding		
	Resin Transfer Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.98	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	73		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method

Tensile Strength (Yield)	24.3	MPa	ASTM D412
Tensile Elongation (Break)	220	%	ASTM D412
Compression Set ¹ (200°C, 70 hr)	22	%	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)	-9.0	%	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)	-7.0	%	ASTM D471
Change in Ultimate Elongation (23°C, 70 hr, in Reference Fuel C)	-9.0	%	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)	1.0	%	ASTM D471
NOTE			

1. 6 mm Buttons

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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