Boda BDP-HL9701

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

Material Type: Black color low viscosity 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
Extraordinary chemical resistance:
Alcohol Fuel
Steam
Acids
Chemicals containing amines.
Process Methods: Suitable for compression, transfer, injection and extrusion molding processes.
Applications: For O-rings, gaskets used in chemical and petrochemical industries.
Lab Testing Curing Condition:
Press Curing: 10min@170°C.
Oven: (1+4)hrs@230°C

General Information	
Features	Acid Resistant
	Alcohol Resistant
	Fuel Resistant
	Good Chemical Resistance
	Good Flow
	Good Mold Release
	Good Moldability
	Low Viscosity
	Minimal Flash
	Steam Resistant
Uses	Gaskets
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)	72		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	23.7	MPa	ASTM D412

Tensile Elongation (Break)	240	%	ASTM D412
Compression Set [1] (200°C, 70 hr)	23	%	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)	-10	%	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)	-10	%	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)	2.0		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

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