

Boda BDF-H2601

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

Material Type: Black fluoroelastomer compound, hardness Shore A 55-65.
Based on bisphenol curable copolymers.
Features: Excellent mold flow, improved mold release and good compression set.
Process Methods: Suitable for compression, transfer and extrusion molding processes.
Applications: O-rings and gaskets.
Lab Testing Curing Condition:
Press Curing: 10min@170°C.
Oven: (8+16)hrs@230°C

| General Information | | | |
|--|------------------------|-------------------|-------------|
| Features | Good Flow | | |
| | Good Mold Release | | |
| | Good Moldability | | |
| | Low Compression Set | | |
| Uses | Gaskets | | |
| Appearance | Black | | |
| Processing Method | Compression Molding | | |
| | Extrusion | | |
| | Resin Transfer Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.90 | g/cm ³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 61 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 11.6 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 320 | % | ASTM D412 |
| Compression Set ¹ (200°C, 70 hr) | 17 | % | ASTM D395 |
| Aging | Nominal Value | Unit | Test Method |
| Change in Tensile Strength in Air (250°C, 70 hr) | -9.0 | % | 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) | 2.0 | | ASTM D573 |
| Change in Tensile Strength (23°C, 70 hr, in Reference Fuel C) | -8.0 | % | ASTM D471 |
| Change in Ultimate Elongation (23°C, 70 hr, in Reference Fuel C) | -16 | % | 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) | 3.0 | % | ASTM D471 |
| NOTE | | | |
| 1. | 6 mm Buttons | | |

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