

Data Sheet: V70BLMD

MATERIAL: VITON 70 SHORE – METAL DETECTABLE

This material has been developed to support use of Fluoroelastomer in food processing applications

Metal detectable elastomer O Rings help pharmaceutical and food manufacturers to reduce the risk of product contamination by early detection and containment of contamination.

The material is electrically conductive. Fragments as small as 2mm can be identified by in-line metal detection and X-ray equipment.

This material has been formulated using only those ingredients determined by the United States Federal Food and Drug Administration (FDA) to be in accordance with Code of Federal Regulations Title 21 (CFR21), Section 177.2600.

COLOUR: BLUE

GENERAL SERVICE TEMPERATURE RANGE: -15°C to +200°C

CERTIFICATES / LICENCES: FDA CFR21 177.2600 Animal Derivated Ingredient Free
EC 1935/2004

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS, IRHD	ASTM D2240	70
TENSILE STRENGTH, MPa	ASTM D412	10.5
ULTIMATE ELONGATION, %	ASTM D412	277
MODULUS @ 100%, MPa	ASTM D412	4.2
COMPRESSION SET		
24 hrs @ 70°C, %	ASTM D395	10

The above test results are based on test slabs / buttons. The results from the actual parts may be different.

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