

# Data Sheet: N70BLMD

## MATERIAL: NITRILE 70 SHORE – METAL DETECTABLE

This material has been developed to support use of Nitrile rubber in food processing applications. The material is electrically conductive.

Metal detectable elastomer O Rings help pharmaceutical and food manufacturers to reduce the risk of product contamination by early detection and containment of contamination. 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:** -25°C to +110°C

**CERTIFICATES / LICENCES:** FDA CFR21 177.2600 Animal Derivated Ingredient Free

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS, IRHD	ASTM D2240	71
TENSILE STRENGTH, MPa	ASTM D412	10.8
ULTIMATE ELONGATION, %	ASTM D412	638
MODULUS @ 100%, MPa	ASTM D412	2.70
<b>COMPRESSION SET</b>		
24 hrs @ 70°C, %	ASTM D395	32

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

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