

Data Sheet: S70BLMD

MATERIAL: SILICONE 70 SHORE – METAL DETECTABLE

This material has been developed to support use of silicone rubber 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 the 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: -50°C to +200°C

CERTIFICATES / LICENCES: FDA CFR21 177.2600 Animal Derivated Ingredient Free

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS, IRHD	ASTM D2240	69
TENSILE STRENGTH, MPa	ASTM D412	7.7
ULTIMATE ELONGATION, %	ASTM D412	350
MODULUS @ 100%, MPA	ASTM D412	2.80
AIR AGEING 70 hrs @ 200°C, %		
HARDNESS CHANGE, IRHD		+3
TENSILE STRENGTH CHANGE, MPA		-0.5
ELONGATION CHANGE, %		-58
VOLUME CHANGE, MPA		-1.2

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

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