

MATERIAL Nitrile 75 Shore Metal/X-Ray Detectable FDA Blue
ASTM D 2000 M2BG 710 B14 E034

DESCRIPTION NBR Acrylonitrile-Butadiene-Rubber
ACN content is 33%
Cure system is sulphur
FDA compliant to CFR 21 177-2600

APPLICATION This material has an excellent resistance aliphatic, hydrocarbons (e.g. propane, butane and petroleum), mineral oils/greases, vegetable/animal oils/greases, heating oil and diesel fuel. This compound can be detected by metal detectors and X-Ray detectors.

TEMPERATURE Low temperature service limit -22°F (-30°C)
Upper temperature continuous service limit +248°F (+120°C)

PRODUCTS Moulding (custom/O rings)

PHYSICAL PROPERTIES

ORIGINAL	STANDARD	TYPICAL VALUES
Specific Gravity	ASTM D1817	1.58
Durometer shore A (slab)	ASTM D2240	73
Elongation % (Dumbbell)	ASTM D412	530
Tensile strength Psi (Mpa) (Dumbbell)	ASTM D412	1624 (11.2)
Compression set % 22h @ 158°F (70°C) (slab)	ASTM D395B	31

Information

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