

MC354 Nitrile 65 Shore FDA Metal Detectable /X-ray Detectable

ASTM D 2000 M2BG 606 B14 EO34

Material Datasheet • Issue 3 • Aug 2017

Material

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Description

- NBR Acrylonitrile-butadiene-rubber
- ACN content is 33%
- FDA Compliant to CFR 21 177-2600
- Cure system is Sulphur
- Blue in colour

Application

This material has excellent resistance to aliphatic hydrocarbons (eg propane, butane and petroleum), mineral oils, greases, vegetable & animal oils, 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

- Mouldings (custom/O rings)



Physical Properties

Original	Standard	Typical Values
Specific Gravity	ASTM D1817	1.76
Durometer shore A (slab)	ASTM D2240	62
Elongation % (Dumbbell)	ASTM D412	476
Tensile strength Psi (MPa) (Dumbbell)	ASTM D412	1116 (7.7)
Compression set % 22h @ 158°F (70°C) (slab)	ASTM D395B	18

Information

The above information corresponds to our current knowledge and is offered solely to provide possible suggestions for your own experimentations. It is not intended to substitute any testing you may need to conduct to determine suitability of our products for your end use. Northern Engineering reserves the right to revise this information as new knowledge and experience becomes available. Northern Engineering makes no warranties and assumes no liability in connection with any use of the above information.

