

# MC476 EPDM 75 Shore 'FDA' Metal/X-ray Detectable ASTM D 2000 M1 CA 708 A25

Material Datasheet • Issue 3 • Aug 2017

## Material

MC476 EPDM 75 Shore 'FDA' Metal/X-ray Detectable  
ASTM D 2000 M1 CA 708 A25

## Description

- EPDM is a polymer of ethylene, propylene and a small amount of diene
- Cure system is peroxide
- Purple in colour

## Application

EPDM's have a good resistance to ozone, ageing and weathering. They are suitable for HFC & HFD flame retardant hydraulic oils and brake fluids.

This compound can be detected by metal detectors and X-ray detectors.

## Temperature

- Low temperature service limit -40°F (-40°C)
- Upper temperature continuous service limit +212°F (+100°C)

## Products

- Mouldings (custom/O rings)



## Physical Properties

Original	Standard	Typical Values
Specific Gravity	ASTM D1817	1.66
Durometer shore A (slab)	ASTM D2240	72
Elongation % (Dumbbell)	ASTM D412	398
Tensile strength Psi (MPa) (Dumbbell)	ASTM D412	1203 (8.3)
Compression set % 22h @ 212°F (100°C) (slab)	ASTM D395B	20

## 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.

