MC387 EPDM 95 Shore 'FDA' Metal Detectable /X-ray Detectable
ASTM D 2000 M2CA 910 A25

Material Datasheet • Issue 3 • Aug 2017

Material
EPDM 95 Shore 'FDA' Metal Detectable/X-ray Detectable
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Description
- EPDM is a polymer of ethylene, propylene and a small amount of diene
- Cure system is peroxide
- FDA Compliant to CFR 21 177-2600
- Blue 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 and have an exceptional resistance to hot water, steam and acids.
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 +284°F (+140°C)

Products
- Mouldings (custom/O rings)

Physical Properties

Original	Standard	Typical Values
Specific Gravity	ASTM D1817	1.32
Durometer shore A (slab)	ASTM D2240	94
Elongation % (Dumbbell)	ASTM D412	158
Tensile strength Psi (MPa) (Dumbbell)	ASTM D412	1639 (11.3)
Compression set % 22h @ 158°F (70°C) (slab)	ASTM D395B	19.0

Heat Ageing 70h @ 212°F (100°C) ASTM D573	
Durometer change points shore A	+2
Elongation change %	-67
Tensile strength change Psi (Mpa)	-421 (-2.9)
Weight loss %	1.3

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