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| MATERIAL | EPDM 75 Shore FDA Black ASTM D 2000 M2 CA 710 A25 |
| 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& European regulations EC1935/2004 3-A 18-03 compliant class 1 (except for milk fat test) Meets EN10/2011 |
| APPLICATION | EPDMs have a good resistance to ozone, ageing and weathering. They are suitable for HFC & HFD flame retardant hydraulic acids and brake fluids and have an exceptional resistance to hot water, steam and acids. |
| TEMPERATURE | Low temperature service limit -40°F (-40°C) Upper temperature continuous service limit +284°F (+140°C) |
| PRODUCTS | Encapsulated O rings Extrusions (cords/profiles/tubes) Hot Vulcanised O rings & Profiles Moulding (custom/O rings) |

PHYSICAL PROPERTIES

| ORIGINAL | STANDARD | TYPICAL VALUES |
|---|------------|----------------|
| Specific Gravity | ASTM D1817 | 1.12 |
| Durometer shore A (plug) | ASTM D2240 | 73 |
| Elongation % (Dumbbell) | ASTM D412 | 230 |
| Tensile strength PSI (MPa) (Dumbbell) | ASTM D412 | 1712 (11.8) |
| Compression set % 22h @ 212°F (100°C) (slab) | ASTM D395B | 9.8 |
| HEAT AGEING 70h @ 257°F (125°C) ASTM D573 | | |
| Durometer change points shore A | | +3 |
| Elongation change % | | -2.2 |
| Tensile strength change PSI (MPa) | | +29 (+0.2) |
| Weight loss grams | | 0.07 |
| FLUID IMMERSION Oil No 3 70h @ 302°F (150°C) ASTM D471 | | |
| Volume change % | | +114 |
| Durometer change points shore A | | -36 |
| Elongation change % | | -49 |
| Tensile strength change PSI (MPa) | | -899 (-6.2) |

Information

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