

Material Data Sheet MC426 Aflas 75 Shore Black



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MATERIAL Aflas 75 Shore Black

DESCRIPTION Aflas is a tetrafluoroethylene/propylene copolymer (TFE)
Cure system is peroxide

APPLICATION This material has excellent resistance to base chemicals, sour oil/gas, amines, acids, steam and methane gas. Popular in oilfield applications.

TEMPERATURE Low temperature service limit - not recommended below 32°F (0°C)
Upper temperature continuous service limit +400°F (+204°C)

PRODUCTS Extrusions (cords/profiles/tubes)
Hot Vulcanised O rings & Profiles
Moulding (custom/O rings)

PHYSICAL PROPERTIES

| ORIGINAL | STANDARD | TYPICAL VALUES |
|--|--------------------|----------------|
| Density (Kg.m-3) | ISO2781-1988 | 1740 |
| Durometer shore A (slab) | ISO7619-2004 (@3s) | 79 |
| Elongation @ break % | ISO37-1994 | 243 |
| Tensile strength Psi (Mpa) | ISO37-1994 | 17.5 |
| Compression set % 22h @ 347°F (175°C) (slab) | ISO815-1991 | 27.5 |

Information

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