



SM179 - Black Neoprene to BS2752 C40

| PROPERTIES | TEST METHOD | VALUES FPS UNITS | TEST METHOD | VALUES METRIC UNITS |
|--|-----------------------|------------------|-------------|---------------------|
| SPECIFIC GRAVITY | BS 903 : PART A1 | | | 1.25 |
| HARDNESS | C40 | | | 40 ± 5 IRHD |
| TENSILE STRENGTH (KG/CM2) | BS 903 : PART A2 | | | 90 |
| ELONGATION AT BREAK (MIN) | BS 903 : PART A2 | | | 450% |
| COMPRESSION SET (70°C/24 HRS/25% SET) (MAX) | BS 903 : PART A6 | | | 30% |
| TEAR RESISTANCE (ANGULAR) MIN | BS 903: PART A3 | | | 25 KG/CM |
| CHANGE IN PROPERTIES | | | | |
| RESISTANCE TO ACCELERATED AGEING - 168 HRS. AT 70°C | BS 903 : PART A19 | | | |
| --- HARDNESS (PTS) | BS 903 : PART A26 | | | + 7 (MAX) |
| --- TENSILE STRENGTH (%) | BS 903 : PART A2 | | | - 12 (MAX) |
| --- ELONGATION AT BREAK (%) | BS 903 : PART A2 | | | - 20 (MAX) |
| VOLUME SWELL : AT 40° C FOR 22 HRS/IN | BS 903 : PART A16 | | | |
| FUEL B | | | | + 100% (MAX) |
| RESISTANCE TO LOW TEMPERATURE AT - 40°C | BS 903: PART A13 | | | MEETS REQUIREMENTS |
| ADHESION TO AND CORROSION OF METALS | BS 903 : PART A 37 | | | MEETS REQUIREMENTS |
| POLYMER CONTENT (NEOPRENE) | | | | 100% |
| ADDITIONAL INFORMATION - CHEMICAL RESISTANCE | | | | |
| --- OZONE | BS 903 : PART A 43 | | | GOOD |
| --- DILUTE ACIDS AND BASES | BS 903 : PART A16 | | | GOOD |
| --- CONCENTRATED ACIDS AND BASES | | | | NOT RECOMMENDED |
| --- MINERAL OILS - PARAFFINIC & NAPHTHANIC HC | | | | GOOD |
| ---MINERAL OILS - AROMATIC HC | | | | FAIR |
| ---ANIMAL/VEGETABLE OIL | | | | GOOD |
| --- SOLVENTS | | | | FAIR |
| TEMPERATURE RANGE | | | | -30° TO + 120° C |

| PROPERTIES | TEST METHOD | VALUES FPS UNITS | TEST METHOD | VALUES METRIC UNITS |
|------------|-------------|------------------|-------------|---------------------|
| COLOUR | | | BLACK | |

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