

**Datasheet**

# RS PRO Gas Approved 80 Shore Nitrile (NBR) Rubber Sheeting

Stock No: 2035138



## Technical Specifications:

| Nitrile Rubber                  | BS2751 BA80            |
|---------------------------------|------------------------|
| Colour                          | Black                  |
| Shore Hardness (IRHD)           | 80° Shore              |
| Recommended Working Temperature |                        |
| Maximum                         | 110°C                  |
| Minimum                         | -15 °C                 |
| Specific Gravity                | 1.25 g/cm <sup>3</sup> |

## Features & Benefits:

- **80 Shore High Quality Rubber Grade**
- **Gas Board Approved**
- **Chemical Resistant**
- **Oil Resistant**
- **Tear Resistant**

| Specifications  | Values                       | Test Methods            |
|---|------------------------------|-------------------------|
| Accelerated Ageing – Change in Elongation at Break (168 Hours @ 70°C) | 35% Change to Original       | BS903 Part A19 Method A |
| Accelerated Ageing – Change in Tensile Strength (168 Hours @ 70°C)    | -10% Change to Original      | BS903 Part A19 Method A |
| Accelerated Ageing – Change in Hardness (168 Hours @ 70°C)            | 10° Shore Change to Original | BS903 Part A19 Method A |
| Compression Set (22 Hours @ 70°C)                                     | 20% Maximum                  | ASTM D395 Method B      |
| Elongation at Break   | 150% Minimum                 | ASTM D412               |
| Highest Recommended Working Temperature                               | 110°C Maximum                | None                    |
| Lowest Recommended Working Temperature                                | -15°C Minimum                | None                    |
| Liquid Resistance – Volume Change 24 Hrs @ 40°C                       | -0+25%                       | BS ISO 1817             |
| Shore Hardness (IRHD)   | 80° Shore                    | BS903 Part A26 Method N |
| Specific Gravity  | 1.25g/m <sup>3</sup>         | ASTM D2240              |
| Tensile Strength  | 12.5 MPA Minimum             | ASTM D412               |

## Quality Standards

- **BS2751 BA80**

