

## **NBR80 datasheet**

|             |                                                                                                                                                                                                                                           |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MATERIAL    | NBR                                                                                                                                                                                                                                       |
| DESCRIPTION | Nitrile butadiene rubber is known by the abbreviation NBR. This synthetic rubber was created in the 1930s. It is created by co-polymerizing 1.3-butadiene and the polar building component acrylonitrile (ACN) (nonpolar building block). |
| APPLICATION | Fuel hoses, gaskets, rollers, and other goods requiring oil resistance are its primary applications.                                                                                                                                      |
| TEMPERATURE | The temperature range is between -30°C and 150°C                                                                                                                                                                                          |

| PHYSICAL PROPERTIES | TEST METHOD      | UNIT              | VALUE                                       |
|---------------------|------------------|-------------------|---------------------------------------------|
| Basic polymer       | ISO 1629         |                   | NBR                                         |
| Hardness            | DIN 53505        | Shore A           | 80 +/- 5                                    |
| Colour              |                  |                   | Black                                       |
| Specific gravity    | DIN & ISO 1183-1 | g/cm <sup>3</sup> | 1,23 +/- 0,03                               |
| ASTM code           | D2000 / SAE J200 |                   | M 2 BG 714 B14 EA14 EO14 EO34 EF11 EF21 F17 |
| Temperature range   |                  | °C                | -30 / 150                                   |
| Storage stability   | ISO 2230         |                   | ± 7 years                                   |

*The above values are typical*

The information in this datasheet is based on many years of experience in the application of NBR. However, unknown parameters and conditions may restrict general statements during usage. It is vital that users satisfy themselves as to the suitability of individual products through adequate testing. For this reason and due to the wide range of applications of our products, AST B.V. can accept no liability as to the suitability or correctness of our recommendations in individual cases. The application limits for pressure, temperature and velocity given in this datasheet are maximum values determined in the test laboratory. During practical applications it should be remembered that due to the interaction of the operating parameters, the maximum values must be set correspondingly lower. For exceptional operating conditions, please contact us.