

## Data Sheet

## K241 90° Shore Nitrile Solid Rubber O Ring Cord

Data Sheet Type	Final
Material Reference	K241
Polymer	NBR
Date Issued	03/04/20



## Description

An exceptional performing Steam Cured Nitrile O Ring Cord with excellent Mechanical Properties. Ideal for use with Ethylene Glycol, Silicone Fluids, Petroleum Fluids & Water (to 100C) but should not be used with Brake fluids, Ketones, Ozone or weathering, Phosphate esters & Strong acids. Can be used as a cord to fabricate an O Ring, or be used free-form in Enclosure Channels etc

Specifications	Values	Test Methods
Colour	Black	None
Compression Set(22 Hours @ 175°C)	17 %	ASTM D395 Method B
Elongation at Break	217 %	ASTM D412
Highest Recommended Working Temperature	125 °C	None
Lowest Recommended Working Temperature	-20 °C	None
Shore Hardness (Shore A)	86 ° Shore	ASTM D2240
Tensile Strength	14.6 MPA	ASTM D412

## Purposes



Oil Resistance



Petrol Resistance



Water Resistant

**Important Notes about this Material Data Sheet**

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice . All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.