



INDUSTRIES 3R

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#### CORKS

## 3R897

### Description

The 3R897 is a high quality nitrile rubber cork. This type of cork is highly compressible and has good resistance to oils.



### Applications

The 3R897 cork is particularly effective for dielectric strength and dry heat. It is also recommended for electric motors, fuel & oil pumps, grease retainers, small engine service and transformers. This material is as well used for carburetors, gasoline pumps and hydraulic systems. It therefore resists to gasoline, diesel, aromatic hydro-carbons, aliphatic ethyl alcohol, methyl alcohol, ethylene and glycol.

### Specifications

#### Technical Data

|                                       |                             |
|---------------------------------------|-----------------------------|
| Temperature                           | -40 to 121°C (-40 to 250°F) |
| Polymer                               | Nitrile                     |
| Color                                 | Natural                     |
| Durometer Shore A (ASTM D2240)        | 50-70                       |
| Density (ASTM D3676)                  | 529g/L (33 pcf) min.        |
| Tensile Strength (ASTM F152)          | 1.34MPa (200 psi) min.      |
| Compressibility (400 psi), (ASTM F36) | 35-45%                      |
| Recovery (ASTM F36)                   | 75% min.                    |
| Flexibility (ASTM F147)               | 3 max.                      |

|                                                               |           |
|---------------------------------------------------------------|-----------|
| Compression Set B (ASTM D395) (25% deflection, 22 hrs. 158°F) | 80% max.  |
| Immersions Volume change, Oil 1, 70 hrs. 212°F (ASTM F146) %  | -5 to +10 |
| Immersions Volume change, Oil 3, 70 hrs. 212°F (ASTM F146) %  | -2 to +15 |
| Immersions Volume change, Fuel A, 22 hrs. 72°F (ASTM F146) %  | -2 to +10 |

N.B. The information presented may differ from practice. We recommend conducting tests according to the conditions of use. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products. The data is subject to certain variations without notice.