



# NBR 75 compound WNBR 5005 white - Technical Data Sheet

## 1. Introduction

NBR 75-compound WNBR 5005 is an FDA Nitrile compound with medium percentage of Acrylonitrile. In conformity with FDA 177.2600.

## 2. Product Description

|                        |                                  |
|------------------------|----------------------------------|
| Chemical Composition : | Acrylonitrile / Butadiene Rubber |
| Physical form :        | O-Rings / Mouldings              |
| Colour :               | White                            |
| Odour :                | None                             |
| Storage stability * :  | ± 7 years                        |



## 3. Physical Properties

| Test Method                         | Norm            | Test Values  |
|-------------------------------------|-----------------|--------------|
| Hardness                            | ISO 48 Method M | 75 ± 5 IRHD  |
| Tensile Strength at break           | ISO 37          | min 13,2 MPa |
| Elongation at break                 | ISO 37          | min 604%     |
| Specific Weight                     | ISO 2781        | 1,44         |
| Compression Set                     | ISO 815         |              |
| 25% compression - 22h/100°C on slab |                 | max 25%      |
| Heat Ageing 70h/100°C ISO 188       |                 | max +7°      |
| Hardness Change                     |                 |              |

## 4. Chemical Resistance

Alkali : very good  
 Air : excellent  
 Alcohol : very good  
 Fats : excellent  
 Mineral oils : excellent  
 Silicone oils : excellent  
 Vegetable oils : excellent  
 Inorganic acids : excellent  
 Ketones : unsatisfactory  
 Ethers : unsatisfactory  
 Organic acids : fair  
 Inorganic acids : excellent

## 5. Temperature Resistance

- -30° to +120°C
- TR10 (low temp. resistance): -16°C

## 6. Advantages

- Can be produced in small quantities