

## DATASHEET

# SIL Nitrile Rubber (NBR)

### APPLICATIONS

SIL NBR 65 is a premium grade Nitrile Rubber with good resistance to oils, fats and petroleum based products.

### FEATURES

- Good resistance to oils and hydrocarbons
- Good mechanical strength
- Temperatures from -25°C up to 90°C
- Good ratio quality/price



### SPECIFICATION

PROPERTY	TEST METHOD	UNIT	VALUE
<b>MECHANICAL</b>			
Rubber Compound - black			NBR
Density		g/cm <sup>3</sup>	1.35 +/- 0.05
Hardness	ASTM D2240	Shore A	65 +/-5
Tensile Strength	ISO 37	MPa	≥ 5
Elongation at break	ISO 37	%	≥ 300
Tear resistance	ISO 34-1	N/mm	≥ 17
Compression set after 22h at 70°C	ISO 815-1	%	≤ 40
Compression set after 22h at 100°C	ISO 815-1	%	≤ 60
<b>TEMPERATURE</b>			
Working temperature		°C	-25 / +90
<b>OIL RESISTANCE</b>			
Oil IRM 901 Δ volume after 70h at 70°C	ISO 1817	%	≤ 5
Oil IRM 903, Δ volume after 70h at 70°C	ISO 1817	%	≤ 30

### AVAILABLE SIZES

PROPERTY	DIMENSIONS
Standard Thickness	0.8mm, 1.5mm, 2.4mm, 3mm, 4.5mm, 6mm, 9mm, 12mm, 19mm, 25mm
Standard Roll Length	1200mm x 10mts 1200 x 5mts (19mm, 25mm)
Standard Handy Pack Size	1000mm x 300mm