



NBR 70 compound 36624

36624 is our standard grade nitrile compound with a medium percentage of acrylonitrile (ACN) and good compression set values.

Characteristics

- Colour: Black
- Temp. resistance low: -30 °C
- Temp. resistance high: 120 °C
- Hardness tolerance: -5/+5

Industries

- General Industry

Approval & Compliancy details

- POP EU2019/1021
- REACH EU
- RoHS EU
- TSCA 6(h)

Products

- Custom parts (moulded)
- O-rings (moulded)



Table: Physical Properties

Property	Value	Unit
Hardness Shore A - Slab	70	
Hardness - Test standard	ASTM D2240	
Compression set - Slab	13	%
Compression set - Duration @ temperature	22 hours at 100°C	
Compression set Test standard	ASTM D395-B	
Elongation at break	329	%
Elongation at break - Test standard	ASTM D412	
Tensile strength	15.7	MPa
Tensile strength - Test standard	ASTM D412	
100% Modulus	4.3	MPa
100% Modulus - Test standard	ASTM D412	

Table: Properties in Air

Property	Value	Unit
Properties in Air - Test standard	ASTM D573	
Properties in Air - Duration @ temp	70 hours at 100°C	
Properties in Air - Hardness Shore A change	+3	Sh A
Properties in Air - Tensile strength change	+4.7	%
Properties in Air - Elongation change	-11	%

Table: Properties in Air

Property	Value	Unit
Properties in Air - Volume change	-0.6	%

Table: Properties in ASTM Fuel A

Property	Value	Unit
Properties in ASTM Fuel A - Test standard	ASTM D471	
Properties in ASTM Fuel A - Duration @ temp	70 hours at 23°C	
Properties in ASTM Fuel A - Hardness Shore A change	0	Sh A
Properties in ASTM Fuel A - Tensile strength change	-3	%
Properties in ASTM Fuel A - Elongation change	-8	%
Properties in ASTM Fuel A - Volume change	+1	%

Table: Properties in ASTM Fuel B

Property	Value	Unit
Properties in ASTM Fuel B - Test standard	ASTM D471	
Properties in ASTM Fuel B - Duration @ temp	70 hours at 23°C	
Properties in ASTM Fuel B - Hardness Shore A change	-11	Sh A
Properties in ASTM Fuel B - Tensile strength change	-32	%
Properties in ASTM Fuel B - Elongation change	-30.5	%
Properties in ASTM Fuel B - Volume change	+23.8	%

Table: Properties in IRM 901 oil

Property	Value	Unit
Properties in IRM 901 oil - Test standard	ASTM D471	
Properties in IRM 901 oil - Duration @ temp	70 hours at 100°C	
Properties in IRM 901 oil - Hardness Shore A change	+7	Sh A
Properties in IRM 901 oil - Tensile strength change	+6.6	%
Properties in IRM 901 oil - Elongation change	-11	%
Properties in IRM 901 oil - Volume change	-8.8	%

Table: Properties in IRM 903 oil

Property	Value	Unit
Properties in IRM 903 oil - Duration @ temp	70 hours at 100°C	
Properties in IRM 903 oil - Elongation change	-12.4	%
Properties in IRM 903 oil - Hardness Shore A change	0	Sh A
Properties in IRM 903 oil - Tensile strength change	+2.4	%
Properties in IRM 903 oil - Test standard	ASTM D471	
Properties in IRM 903 oil - Volume change	+1.5	%

Table: Properties in Water

Property	Value	Unit
Properties in Water - Duration @ temp	70 hours at 100°C	
Properties in Water - Hardness Shore A change	-3	Sh A
Properties in Water - Volume change	6,6	%