

M SEALS NBRFQ-BL80

BLUE FDA & EC 1935/2004 compliant Nitrile Rubber

MATERIAL DATA SHEET (Version 6.0 – 05.2022)



FDA Compliant
EC 1935/2004 Compliant



ADI Free

Description

M Seals material NBRFQ-BL80 is a blue Nitrile-Butadiene-Rubber (NBR), the composition of the material meets the requirements of FDA and EC1935/2004 regulations and is allowed for food contact use.

NBRFQ-BL80 is a good choice for seals and other elastomeric parts which require good chemical and/or fluid compatibility while working in food and beverage applications and need to be blue in colour for easy identification in the event product contamination may occur.

Physical Properties

Property	Test method	Unit	Typical value
Colour			Blue
Density	ISO 1183-1	g/cm ³	1.23
Hardness @ 23°C	ISO 868	Shore A	80
100% Modulus	DIN 53504	N/mm ²	≥5
Tensile Strength	DIN 53504	N/mm ²	≥8
Elongation at break	DIN 53504	%	≥140
Abrasion	DIN 53516	mm ³	248
Compression set (24 Hours @ 70°C, 25%)	ISO 815	%	≤13
Minimum service temperature		°C	-30
Maximum service temperature		°C	+100

Main Characteristics

- FDA ingredient compliant
- EC1935/2004 ingredient compliant
- Animal Derived Ingredient Free (ADI Free)
- Blue colour for easy identification
- Useful temperature range

Typical Products

- Triclover seals
- RJT seals
- DIN 11851 D-Seals
- Static Seals & O-Rings
- Depositor seals

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