

## NBR Elastomere cold-flexible

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### General information

Designation	:	Nitrile rubber
Abbreviation	ISO 1629 :	NBR
Color	:	black
Flammability	UL94 :	accordingly HB, halogen free

### Physical data

Density	DIN 53479 :	1.35	g/cm <sup>3</sup>
Hardness	DIN 53305 :	72	Sh A
		74	Sh A 168h / 120°C

### Mechanical data

Tensile strength	DIN 53504 :	8.5	N/mm <sup>2</sup>
	DIN 53504	8.9	N/mm <sup>2</sup> 168 / 70°C
Elongation at break	DIN 53504 :	386	%
	DIN 53504	288	% 168 / 70°C
Compression set	DIN 53517 :	26	% 24h / 70°C

### Thermal data

Max. application temperature	:	+100	°C	Continuously, dry
	:	+120	°C	briefly <10h
	:	+80	°C	humid
Min. application temperature	:	-58	°C	

### Chemical properties

Resistant against mineral oils, fuels, cool and cutting oils, aqueous solutions of inorganic salts, diluted acids and caustic solutions. Partly to not resistant against solvents, esters, concentrate acids and caustic solutions. Well to moderately weather-proof. NBR will be attacked by ozone.

**AGRO AG**

Hunzenschwil, March 27. 2001

This table is arranged to our best knowledge and is to advise you without obligation. All values are approximate values and are based on tests done by our suppliers. Modifications remain reserving.