

Rubber

Rubber table

General information	NR	SBR	CR	NBR	EPDM	Q	FCM/FPM
Name	Natural rubber	Natural rubber	Neoprene rubber	Nitrile-Butadiene rubber	Ethylene propylene rubber	Silicone rubber	Viton
Finished compound	1.2 g/cm ³	1.2 g/cm ³	1.3 g/cm ³	1.2 g/cm ³	1.1 g/cm ³	1.3 g/cm ³	1.9 g/cm ³
Pure polymer	0.93 g/cm ³	0.94 g/cm ³	1.23 g/cm ³	0.92 - 1.01 g/cm ³	0.86 g/cm ³	0.98 g/cm ³	1.96 g/cm ³
Max. strength at 20 °C MPa	30	25	25	25	22.5	10	20
Durability	Excellent	Excellent	Good	Good	Good	Poor	Average
Elastic properties	Excellent	Good	Good	Average	Average	Average	Good
Resistance to petrol and minerals	Poor	Poor	Average	Excellent	Poor	Average	Excellent
Resistance to ozone and weather	Average	Average	Good	Average	Excellent	Excellent	Excellent
Air density	Average	Average	Good	Good	Average	Poor	Good
Temp. min.	- 50 °C	- 40 °C	- 30 °C	- 40 °C	- 55 °C	- 80 °C	- 30 °C
Temp. max.	80 °C	100 °C	100 °C	100 °C	130 °C	200 °C	200 °C
Chemical resistance - Acid	Good	Good	Good	Good	Excellent	Average	Excellent
Chemical resistance - Base	Average	Average	Excellent	Excellent	Excellent	Poor	Good

Typical application	NR	SBR	CR	NBR	EPDM	Q	FCM/FPM
	Truck tires, conveyour belts and wear parts	Passenger car tires, conveyour belts and wear parts	Intermediate plates/washer and axle bearing	O-ring gaskets and gaskets	Gaskets and sealing elements	Medical rubber, food industry and rubber curtains	O-ring gaskets, high-temperature applications

This rubber table is meant as a guide. You are more than welcome to contact us, if you wish specific calculation or advice regarding construction and selection of material.

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