

Choose a rubber

Degrees

Excellent	Very good	Good	Good enough	Mediocre	Faint	Bad
1	2	3	4	5	6	7

		NR	SBR	NBR	IIR	EPDM	CR	CSM	FPM	PU	VMQ
TEMPERATURE	Flame	7	7	7	7	7	3	3	1	7	6
	Cold	2	3	3	2	2	4	4	4	2	1

		NR	SBR	NBR	IIR	EPDM	CR	CSM	FPM	PU	VMQ
MECHANICAL PROPERTIES	Tension	1	3	3	3	3	2	2	4	1	5
	Break	2	4	4	3	3	3	4	4	1	4
	Abrasion	2	2	3	4	3	3	3	4	1	4
	DRC	2	3	3	6	3	3	5	3	3	2

		NR	SBR	NBR	IIR	EPDM	CR	CSM	FPM	PU	VMQ
DYNAMIC PROPERTIES	Impact strength	1	3	4	6	4	2	5	6	2	3
	Flexing	2	3	3	2	2	2	3	5	3	3

RUBBERS	POLYURETHANES	FOAMS	PLASTICS
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		NR	SBR	NBR	IIR	EPDM	CR	CSM	FPM	PU	VMQ
AGEING	Air	5	4	4	2	1	2	2	1	1	1
	Lights	6	6	5	2	2	2	1	2	3	2
	Ozone	7	7	7	2	1	4	1	2	2	1
	Heat	6	4	3	2	2	4	2	1	4	1

		NR	SBR	NBR	IIR	EPDM	CR	CSM	FPM	PU	VMQ
DIELECTRIC		4	4	6	2	1	5	4	5	5	1

		NR	SBR	NBR	IIR	EPDM	CR	CSM	FPM	PU	VMQ
FLUID RESISTANCE	Mineral oils	7	7	2	6	6	3	4	1	1	6
	Aliphatic solvents	7	7	2	7	7	3	3	1	2	7
	Aromatic solvents	7	7	4	5	5	6	6	1	6	7
	Ketone	4	5	7	3	4	6	4	7	6	6
	Chlorinated solvents	7	7	5	6	7	6	7	1	6	7
	Water, diluted base, diluted acid	3	3	3	1	1	3	3	7	7	2
	Strong acids	4	5	5	1	2	4	1	1	4	5
	Oxidizing strong acids	7	7	7	5	5	6	4	1	6	7
	Gas impermeability	5	5	3	1	6	4	4	2	2	7

RUBBERS	POLYURETHANES	FOAMS	PLASTICS
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Symbols	Common nouns
NR	Natural rubber
SBR	Butadiene-styrene
NBR	Nitrile
IIR	Butyl
EPDM	EPDM
CR	Chloroprene
CSM	Hypalon (Corporate name)
FPM	Fluorine-carbon
PU	Polyurethane
VMQ	Silicone

We give you this board as a rough guide.

SOLUTIONS ELASTOMERES is not liable to be held responsible for such a board.