

# RB

## RUBBER BALLS

### Rubber Balls



We supply balls in different colours and properties, with or without holes, of the following sizes and properties as examples:

- 15 mm
- 17 mm
- 20 mm
- 24 mm
- 25 mm
- 27.5 mm
- 29 mm
- 30 mm
- 34 mm
- 35 mm
- 38 mm
- 39 mm
- 40 mm
- 43 mm
- 45 mm
- 47 mm
- 50 mm
- 53 mm
- 59 mm
- other sizes

NBR	Nitrile
IIR	Butyl Rubber
NR	Natural Rubber
SBR	Styrene-butadiene Rubber
EPDM	Ethylene-propylene-diene
CR	Chloroprene Rubber
H-NBR	Hydrogenated Nitrile
FPM	Fluorocautchouc
PU	Polyurethane Rubber
VMQ	Silicone

Our rubber balls products have properties of hardness or strength, tear resistance, elongation at break, resilience, tear strength, abrasion resistance, compression set resistance, thermal performance and resistance to influences such as gasoline, diesel, oil, acid or alkali, water, weather and ozone.

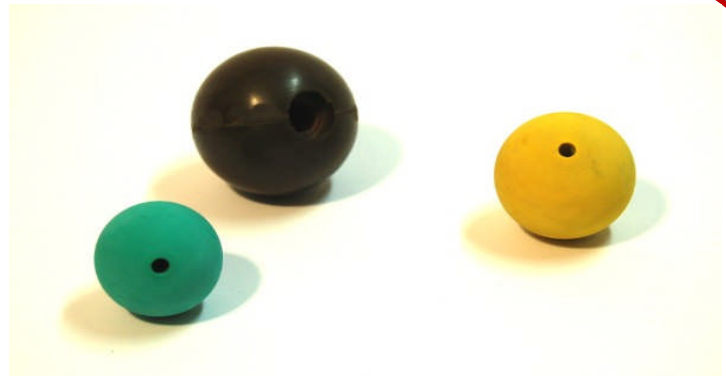
The selection of the polymers and the other components of the mixture can be designed according to the specific properties of the vulcanizate of us.

Products are manufactured under the quality management systems, certified to DIN EN ISO 9001:2008.

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	NR, IR	SBR, BR	IIR	EPM, EPDM	NBR
COMMON NAME	Natural Rubber	SBR	Butyl	EPDM	Nitrile
CHEMICAL NAME	Poly-	Styrene	Isobutylene	Ethylene	Butadiene

#### Properties & Characteristics

ASTM D-2000-SAE J200=Design.	AA	AA, BA	AA, BA, CA	BA, DA	BF, BG, BK
ASTM Designation (D1418)	NR	SBR	IIR	EPDM, EPM	NBR
Specific Gravity	0.92	0.94	0.92	0.86	1
Durometer Range Available	30-90	40-80	20-90	40-90	40-95
Tensile Strength, PSI	4500	3500	3000	2500	4000
Elongation	650	600	850	600	650
Compression Set	A	B	B	B	B
Resilience	High	Med	Low	Med	Med-Low
Electrical Resist.(Polymer)	A	A	A	A	D
Impact Strength	A	A	B	B	C
Abrasion Resistance	A	A	C	B	A
Tear Resistance	A	C	B	C	B
Heat Aging at 212° F	C	B	A	B	B
Flame Resistance	D	D	D	D	D
High Temp. Service Limits+	160	220	220	260	220
Low Temp. -Stiffening ° F	-20 to -50	0 to -50	-20 to -50	-10 to -40	+30 to -20
Weather-Sunlight Aging	D	D	A	A	D
Ozone Cracking	NR	NR	A	A	C
Water	A	B	A	A	A
Steam	B	C	A	B	C

**A:** Very Good **B:** Good **C:** Fair **D:** Poor **NR:** Not Recommended

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	CR	AU. EU	PMQ, MQ. VMQ	FKM	BR
COMMON NAME	Neoprene	Urethane	Silicone	Viton®	Butadiene
CHEMICAL NAME	Chloro-	Polyester/	Poly-siloxane	Fluorindated	Poly-

#### Properties & Characteristics

ASTM D-2000-SAE J200=Design.	BC, BE	BG	FC, FE, GE	HK	AA
ASTM Designation (D1418)	CR	AU, EU	PMQ, MQ, VMQ	FKM	BR
Specific Gravity	1.25	1.25	1.1-1.6	1.86	0.91
Durometer Range Available	10-90	5-100	20-90	60-90	40-90
Tensile Strength, PSI	4000	5000	1500	3000	3000
Elongation	600	750	900	300	650
Compression Set	B	D	B	B	B
Resilience	High	High-Low	High-Low	Low	High
Electrical Resist.(Polymer)	C	B	A	B	A
Impact Strength	B	A	D	B	B
Abrasion Resistance	A	A	C	B	A
Tear Resistance	B	A	C	B	B
Heat Aging at 212° F	B	B	A	A	C
Flame Resistance	B	D	A	A	D
High Temp. Service Limits+	220	160	400	485	160
Low Temp. -Stiffening ° F	+10 to -50	-10 to -30	-60 to -180	+10 to -10	+30 to -60
Weather-Sunlight Aging	B	A	A	A	D
Ozone Cracking	A	A	A	A	NR
Water	B	C	A	A	A
Steam	B	D	C	B	B

**A:** Very Good **B:** Good **C:** Fair **D:** Poor **NR:** Not Recommended