



# technical rubber parts

## we produce for various industries:

- technical rubber parts
- static and dynamic sealing elements
- vibration absorber or damper
- elastic joints

in cooperation with our customer, we always try to find a tailor-made solution in even most severe applications. based on your application data we will be able to suggest you the right compound and will also give you advice on required design changes. we can find the optimal and most functional solutions in the areas of static and dynamic sealing, vibration damping, rubber parts design, elastic joints and other sealing problems.

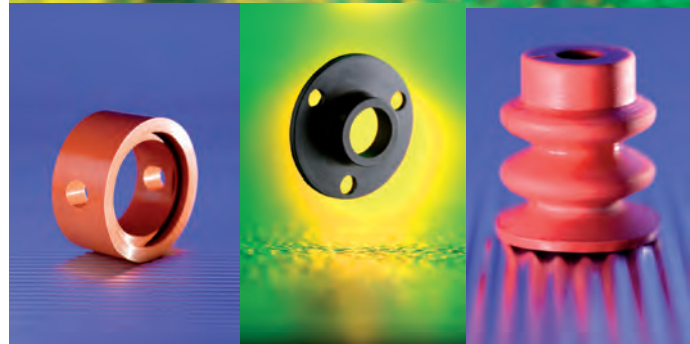
## technology

depending on complexity, the required tolerances and quantity we will produce with either:

- compression molding or
- transfer molding or
- injection molding.

standard compounds	ASTM	ISO
natural rubber	NR	NR
styrol-butadien rubber	SBR	SBR
butyl rubber	IIR	IIR
ethylen-propylen-dien rubber	EPDM	EPDM
acrylnitril-butadien rubber	NBR	NBR
chloropren	CR	CR

## application temperatures for elastomer compounds





characteristics and resistance	NR	IR	SBR	IIR	EPDM	NBR	ECO	CR	AU	MVQ	MFQ	FPM	ACM
pressure	1	2	5	4	5	5	5	3	2	6	6	5	6
tensile strength	1	1	2	2	3	2	3	2	2	4	4	3	3
wear	2	2	2	3	3	2	3	2	1	5	5	4	4
tear strength	2	2	3	3	3	3	3	2	3	6	6	3	4
electrical conductivity	1	1	2	2	2	4	5	3	3	1	1	4	4
aging	3	3	3	2	1	3	2	2	2	1	1	1	2
uv resistance	4	4	4	2	1	3	2	2	2	1	1	1	2
hydrocarbons	6	6	4	6	5	1	1	2	1	5	1	1	1
oil and fat	6	6	5	6	4	1	1	2	1	1	1	1	1
acid	3	3	3	2	1	4	5	2	5	5	4	1	5
lye	3	3	3	2	2	3	5	2	5	5	4	1	5
hot water	3	3	2	1	2	3	4	3	5	5	4	2	5

special elastomer compounds	ASTM	ISO
hydrated acrylnitril-butadien rubber	HNBR	HSN
acrylat rubber	ACM	ACM
epichlorhydrin-copolymer rubber	ECO	ECO
athylen-acrylat rubber (VAMAC)	AEM	/
silicon rubber	VMQ	MVQ
fluor rubber (copolymer+terpolymer)	FKM	FPM
fluor silicon rubber	FVMQ	MFQ
perfluor rubber (KALREZ)	EFKM	/
polyurethan elastomer - polyester	AU	AU
polyurethan elastomer - polyaether	EU	EU

### selection of the right elastomer compound

the right choice of compound is crucial for the functionality of the application. we offer a wide range of compounds to meet the required temperature resistance, chemical resistance and mechanical properties.

