

Rubber materials available from Unimer Suzhou

Pos	Type of material	Hardness	
		±5 ShA	Ex. Of standard or other information
1	Silicone	30-90	SS 162010 VMQ 30-1 to 80-1
2	Silicone	70	ASTM D2000 M6GE705-A19-B37-EO16-EO36-F19-G11-EA14
3	Silicone	30	RTV-1
4	Silicone	43	RTV-2
5	Silicone	42	Conductivity 30 Ω*cm
6	Silicone	64	Conductivity 4 Ω*cm
7	FKM	43-73	SS 162010 FKM 60-1 to 70-1
8	NBR	30-90	SS 162010 NBR 40-1 to 80-2
9	EPDM	30-85	SS 162010 EPDM 30-1 to 80-2
10	EPDM	79	Conductivity 8 Ω*cm
11	EPDM Sponge	30	-
12	NR	25-70	SS 162010 NR 40-1 to 70-2
13	SBR	25-70	SS 162010 SBR 40-1 to 70-2
14	PU	40-90	-
15	TPU	65-95	e.g. BASF Elastollan



Rubber tolerances Moulded parts ISO 3302-1

Tolerance classes

Class	Application	Description
M1	For precision moldings applicable to high precision articles.	For articles that require precision molds with few cavities, strict control of rubber materials and costly inspection procedures. This results in high quality and a higher cost. Optical measuring and similar methods may be required.
M2	For high quality moldings applicable to precision articles.	
M3	For good quality moldings applicable to articles with normal requirements for dimensional accuracy.	Normal class.
M4	For moldings applicable to articles of which dimensional accuracy is of lesser importance.	Dimensions are of lesser importance than article price.

Flash classes

Class	Max Flash Height, mm	Remarks
0	0	No flash*
1	0.1	Precision trimming
2	0.2	Accurate trimming
3	1	Normal trimming
4	2	Coarse trimming
5	Unlimited	

*Class 0 can only be specified for certain surfaces of an article. Mold parting lines must not be located on aforementioned surfaces.

Surface roughness

Rubber Article Class	Demand	Mold
1	High	Hardened, possible chromium-plated, polished surface. Surface roughness Ra0.8.
2	Normal	Unhardened, fine tuned or similar surface. Surface roughness Ra3.2.
3	Low	Unhardened, coarse tuned or similar surface. Surface roughness Ra25.