

# Silicates

	Formula	% Na <sub>2</sub> O	% SiO <sub>2</sub>	Weight ratio SiO <sub>2</sub> / Na <sub>2</sub> O	% H <sub>2</sub> O	Specific gravity / bulk density	Solubility, 21° C g / 100 g H <sub>2</sub> O
<b>Sodium silicates, dry</b>							
Metasilicate, penta.	Na <sub>2</sub> O • SiO <sub>2</sub> • 5H <sub>2</sub> O	29.2	---	---	42.4	54 / 57	37.9
Metasilicate, anhyd.	Na <sub>2</sub> O • SiO <sub>2</sub>	51.0	---	---	0.5	64 / 72	18.8
Orthosilicate, anhyd.	2Na <sub>2</sub> O • SiO <sub>2</sub>	60.5	---	---	< 1.0	77	11.5
<b>Sodium silicates, liquid</b>							
Liquid #40 or #O	---	9.1	29.2	3.22	61.7	1.401	ffi
Liquid #42 or #RR	---	9.3	30.0	3.22	60.7	1.415	ffi
Liquid #50 or #D	---	14.7	29.4	2.00	55.9	1.526	ffi