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RUFLUX® S welding fluxes are used as constituents in weld rod coatings. They promote arc stability, enhance the bonding characteristics and improve slag mobility resulting in a greater uniformity of the weld.

For cored rod applications TAM has a line of free flowing RUFLUX® powders to impart comparable characteristics to the weld rod fluxes mentioned above. The initials FF denote free flowing powders. TAM also offers RUFLUX® S-FF Low Hydro for customers requiring low moisture in their processes.

## TYPICAL CHEMISTRY

	RUFLUX® S Sodium Titanate	RUFLUX® S-FF Sodium Titanate	RUFLUX® S-FF (LH) Sodium Titanate
Product Number	1014115	1014117	1014121
TiO <sub>2</sub> %	79 – 81	80 – 82	72 – 74
Na <sub>2</sub> O %	14 – 16	14 – 16	13 – 14
CaO %	–	–	–
K <sub>2</sub> O %	–	–	–
ZrO <sub>2</sub> %	0.7	0.7	1.7
SiO <sub>2</sub> %	0.8	0.8	10
Fe <sub>2</sub> O <sub>3</sub> %	0.6	0.6	0.6
S %	.01	.01	.01
P %	.005	.005	.005

## Typical Sieve Distribution Percent retained on U.S. Standard Sieves

	RUFLUX® S-FF Sodium Titanate	RUFLUX® S-FF (LH) Sodium Titanate
Screens	101411	1014121
+30	0.0	0.0
-30 +50	0.1	0.2
-50 + 60	1	5
-60 + 100	23	65
-100 + 200	65	25
-200 +325	6	2
-325	4	1

RUFLUX® S Sodium Titanate	
Screens	1014115
+100	0.01
-100 +200	1 – 2
-200 +325	–
-200	98 – 99
-325	–

NOTE: The statements made herein are based on our research and the research of others, and are believed to be accurate. No guarantee of their accuracy is made and the products discussed are sold without warranty, expressed or implied, and upon the condition that purchasers shall make their own tests to determine the suitability of such products for their particular uses. Likewise statements made concerning the possible uses of these products are not intended as recommendations to use these products in infringement of any patent.