

ISABELLIN®A is in the best tradition of Isabellenhütte's precision resistance alloys ZERANIN® 30, MANGANIN®, NOVENTIN® and ISAOHM®. ISABELLIN®A is especially characterized by a high resistivity and a low temperature coefficient of resistance between +20°C and +60°C with a parabolic behavior of the R(T) curve. ISABELLIN®A is excellently suitable for the production of standard resistors with a maximum working temperature in air of +140°C. It is also suitable for heating elements with low conductor temperatures up to 200°C in non-oxidizing atmosphere.

ISABELLIN®A is supplied in the form of round wires in the range of 1 to 6 mm Ø in bare annealed condition.

Electrical resistivity in $\Omega\text{mm}^2/\text{m}$ at
Reference Values

Physical Characteristics (Reference Values)

Strength Properties at +20°C in Annealed Condition

1) ISABELLIN® is a registered trademark of Isabellenhütte Heusler GmbH & Co. KG.

Precision resistance alloys:

	ZERANIN®30	MANGANIN®	ISOTAN®	ISABELLIN®A	NOVENTIN®	CENTANIN®	ISAOHM®
resistivity [$\mu\Omega \cdot \text{cm}$]	29	43	49	50	90	100	132
low TCR	●	●	●	◐	●	◐	●
low thermal EMF	◐	●	○	○	●	○	○
solderability / workability	●	●	●	◐	●	◐	○

very good ●
 good ◐
 less good ○