

Molten metal heat insulating material

Heat insulation material is dispersed on the surface of molten metal to prevent temperature reduction.

Molten metal heat insulating material



Raw material

Dust collected at casting sand treatment process



— Main components: SiO₂, C, Al₂O₃, Fe₂O₃, etc.

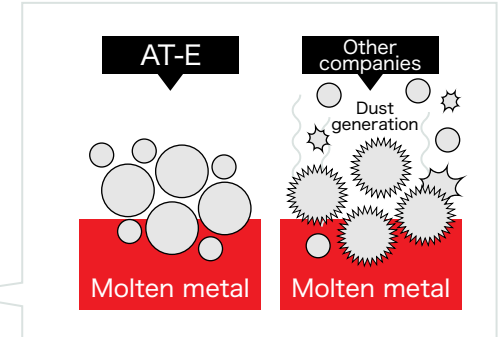
Component breakdown (mass%)

	SiO ₂	C	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO
Raw material	43.6	28.0	8.9	5.4	1.5	1.5

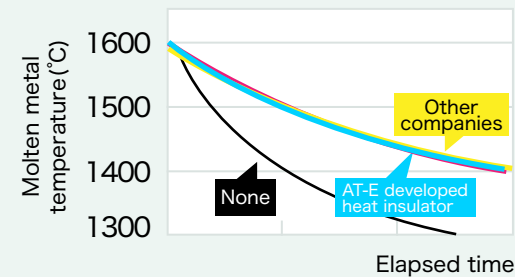
Patent No. 6012129: Molten moisturizer and production method → Examination of “Notification relating to appropriate use of recycled resources” completed in Aichi Prefecture.

Performance

Evaluation item	Comparison to other companies' products
Spread over surface	Same
Heat insulation	Same or better
Dust production	Superior



— Molten metal heat insulation capacity



Same or better than other companies

Example of use with 50t ladle



Reference: Production process

