

RT

Single-use tape with 99.7% alumina quality



The RT is a tape for one-time use. It consists of almost 87% special alumina powder, which is embedded in a special organic carrier matrix. The high flexibility allows, for example, also the lining of 3D setters in the sintering and casting technology. The organic components of the tape are free of phthalates and burn free of residue at temperatures of about 500°C and oxidizing kiln atmosphere. The remaining alumina powder prevents adhesion of the products to the setter and allows an optimum slipping and shrinkage of the sintered product during the firing process.

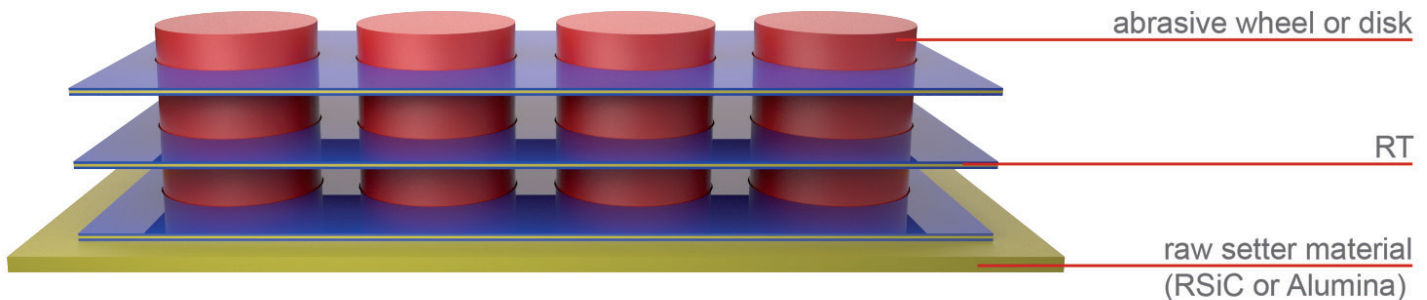
Typical characteristics	Unit	Value
Colour	-	white
Bulk density	g/cm ³	2.5
Dimensions	mm	on request
Thickness	mm	0.3
Main components	%	99.7 Al ₂ O ₃
Maximum operation temperature	T _{max}	1600°C
Ignition loss	%	~ 13
Maximum particle size	µm	~ 3

Advantages

- organic carrier tape with high alumina content
- fine powder matrix with low organic binder content
- components slide freely on the powder matrix during the firing process
- tape can be easily cut with scissors, knives or laser
- very smooth and particle free tape surface

Applications

- one-time use high temperature setter tapes
- separating agent



NOTE:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. KERAFOL® is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. All specifications are subject to change without notice. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded. In case KERAFOL® would be nevertheless held liable, on whatever legal ground, KERAFOL®'s liability will in no event exceed the amount of the concerned delivery. All KERAFOL® products are sold pursuant to the Kerafol's Terms and Conditions of sale and delivery in effect from time to time, a copy of which will be furnished upon request.