



TFE Boiling Stones - Ultra-Pure TFE Chips

- Resistant to almost all chemicals
- Minimize superheating
- Ideal for boiling organic liquids
- Won't scratch glassware

These ultra pure TFE stones promote gentle, efficient boiling, even of highly volatile liquids, and minimize bumping during reflux and distillation. They are ideal for continuous extraction methods (i.e., EPA SW846). They are

not affected by boiling acids, hydrocarbons, ketones, esters, alcohols or alkalies. Easily cleaned and non-contaminating, Jensen Inert TFE boiling stones show no trace of acidity or alkalinity and leave no powdery residue.

Jensen inert boiling stones have the complete chemical inertness of TFE. They effectively promote gentle efficient boiling by having many projections on which small bubbles can form. Thus, small amounts of vapor are released at many places on the bottom of the flask or test tube, preventing superheating, with its erratic and undesirable "bumping" vaporization.

Jensen inert boiling stones speed distillations and make possible sharper separations in distillations. They are also useful in evaporations, extractions, refluxing, condensations and other boiling operations, and prevent losses due to flask breakage.

Three or four of these special granules will provide the boiling action required in a test tube, while a dozen or so will do the job in a distillation flask.

These inexpensive TFE stones can also be used for various other laboratory applications such as column packing, filter bed support, and mixing beads.

TFE Boiling Stones – Note Advantages

- Being chemically inert, TFE Boiling Stones show no trace of acidity or alkalinity. No neutralization is required prior to their introduction into the chemical reaction.
- They have been specially manufactured with sharp projections and irregular surfaces to provide innumerable points for the formation and release of vapor bubbles. Thus they serve as excellent anti-bumping agents during boiling, speed distillation, reduce flask breakage and significantly reduce watching time.
- They have unlimited life with unreduced efficiency due to the inherent toughness of TFE. Unlike the more brittle ceramic-type stones, TFE Boiling Stones are not subject to disintegration or attrition by agitation during boiling, stirring, cleaning, etc. The sharp projections and irregular surfaces remain intact after countless uses. Thus, not only is extended use achieved but there are no fines or powder created to contaminate reactions.
- TFE Boiling Stones can be easily and thoroughly cleaned by autoclaving or washing in acids, alkalis, organics, or cleaning solutions, (hot or cold) without fear of damage or corrosion. They will retain their high degree of purity and chemical inertness permitting reuse with no danger of contamination from previous reactions.
- The possibility of contamination of the reaction by attrited glass is eliminated since the TFE stones will not scratch or abrade the glass ware.

Availability

Jensen Inert TFE Boiling Stones are packaged in convenient 1 lb. non-breakable plastic jars. They are an optimum size mix for general laboratory use. The stones are specially processed and handled to assure complete cleanliness and purity.