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PLANETARY MILLING.

Equipment and application knowledge. By TENCAN.



PRODUCT CATALOG / Grinding Jars

tempered nylon planetary mill jar

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A one-piece moulded tempered nylon jar for compatible planetary milling and mixing.

Overview

A one-piece moulded tempered nylon jar for compatible planetary milling and mixing. Specify the material formulation and complete jar geometry for the selected process.

How it works

The jar working surface forms part of the contact system between sample, media and mill. Material selection should balance the required mechanical action with chemical compatibility and the acceptable contribution from wear.

Confirm the specific modification, polymer grade, solvent compatibility and permitted temperature. It should not be assumed to share the properties of every nylon jar.

Key features

- A moulded one-piece structure.
- The dimension table covers nominal volumes from 250 mL to 10 L.

- Select the polymer formulation around the sample, liquid and operating temperature.

Specifications

Published catalog references are reproduced below. Nominal volume is not a sample-mass rating. Confirm the selected model, material grade, electrical supply and complete supplied configuration in the quotation.

Published dimensions and configurations — 1

Model / nominal volume	External diameter (mm)	Internal diameter (mm)	Height (mm)
250mL	98	73	90
500mL	109	84	120
1000mL	133	108	140
2000mL	159	145	175
3000mL	178	154	198
5000mL	219	188	218
10L	248	216	300

Applications

Compatible polymer-contact mixing and laboratory powder-processing studies.

Suitability depends on the actual sample, process and analytical requirements; a listed application is not a guaranteed final-particle-size result.

Accessories and options

Specify the material formulation, jar envelope, lid and machine holder. Ask for the supplied grade if a comparison with standard nylon is important.

State the required grade, quantities, drawings and destination when requesting a quotation. Confirm what is included, the document requirements, packing and commercial terms; no generic delivery time or universal custom capability is assumed.

Compare milling jars · Compare grinding media · Low temperature planetary grinding machines · Ultrasonic planetary ball mills

Selection guidance

Match tempered nylon to the sample chemistry and the elements or residues that matter to the analysis. Then confirm the dimensions, complete loaded mass and operating arrangement against the selected mill.

[Work through the selection guide](#) · [Request a configuration quotation](#)

Trials and comparisons

No identifiable trial of this exact product/configuration was found in the available planetary-milling test summaries. A result from a different mill, jar grade or assistance system is not attributed to this product.

A comparison to request

For a tempered nylon comparison, use matched sample portions and the same measurement/dispersion method. State the jar, media, mass/volume loading basis, processing schedule and contamination measurements. A change in material grade alone is not established as the cause of a result.

[Discuss a sample evaluation](#)

Plan your milling configuration.

TENCAN develops and manufactures planetary milling equipment, with application support in Changsha and a production base in Wushi, Hunan.

Share your material, batch size, target particle size and contamination limits. Our team can help confirm the mill, jars, media and electrical requirements, or arrange a sample grinding evaluation.

Reference information applies to the described models and conditions. Confirm the final specification and supplied accessories with TENCAN before ordering.

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Product page

<https://www.planetaryballmill.com/milling-accessories/jars/tempered-nylon-planetary-mill-jar.html>

Sample grinding www.planetaryballmill.com/sample-testing/