LabCore
MATERIALS

Battery Separator Discs Dia. 18mm — 2320 / 2325 / 2500 | PP/PE/PP Trilayer & PP Monolayer | Na-ion K-ion Li-ion Li-S Cell Separator

Dia. 18 mm pre-punched separator discs covering three mainstream membranes in one listing: 2320 (PP/PE/PP trilayer, 20 µm — thin, energy-dense), 2325 (PP/PE/PP trilayer, 25 µm — balanced workhorse), and 2500 (PP monolayer, 25 µm, 55% porosity — high-rate). Ready to load into CR2032 coin cells and 18 mm test hardware for Na-ion, K-ion, Li-ion and Li-S R&D.

Coin Cell Hardware

Energy Storage

labcorematerials.com

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Product Overview

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LabCore Dia. 18 mm discs are punched from industrial-grade polyolefin microporous membranes. Three mainstream grades ship from one listing, **ready to load with no cutting tools and no burred edges**. Dia. 18 mm is a widely used separator diameter for coin-cell assembly and 18 mm test hardware.

Grade Selection Guide

Grade	Structure	Thickness	Porosity	Gurley	Best for
2320	PP/PE/PP trilayer	20 µm	39%	530 s	Thinner, energy-density-first
2325	PP/PE/PP trilayer	25 µm	39%	620 s	**Balanced workhorse** — safety + energy
2500	**PP monolayer**	25 µm	**55%**	**200 s**	**High-rate / fast-charge**, low impedance

- **Need thermal shutdown protection** -> choose **2320 / 2325** (PE inner layer closes pores at high temperature)
- **Running rate-capability / high-power experiments** -> choose **2500** (monolayer PP, 55% porosity, only 200 s Gurley — lowest ion-transport resistance)
- **Not sure?** -> buy one 500 pc box of each and run a side-by-side comparison

> ! **2500 is a monolayer PP membrane with no PE shutdown layer — it has no thermal shutdown function.** Choose 2320 / 2325 if your experiment needs high-temperature self-protection.

Order / Quote

Model	Pack Size	Availability
SEP-2320-D18	2320 Battery Separator Discs, Dia. 18 mm x 500 pcs	Made to order (quote)
SEP-2320-D18-1K	2320 Battery Separator Discs, Dia. 18 mm x 1000 pcs	Made to order (quote)
SEP-2320-D18-5K	2320 Battery Separator Discs, Dia. 18 mm x 5000 pcs	Made to order (quote)
SEP-2325-D18-500	2325 Battery Separator Discs, Dia. 18 mm x 500 pcs	Made to order (quote)
SEP-2325-D18-1K	2325 Battery Separator Discs, Dia. 18 mm x 1000 pcs	Made to order (quote)
SEP-2325-D18-5K	2325 Battery Separator Discs, Dia. 18 mm x 5000 pcs	Made to order (quote)
SEP-2500-D18	2500 Battery Separator Discs, Dia. 18 mm x 500 pcs	Made to order (quote)
SEP-2500-D18-1K	2500 Battery Separator Discs, Dia. 18 mm x 1000 pcs	Made to order (quote)
SEP-2500-D18-5K	2500 Battery Separator Discs, Dia. 18 mm x 5000 pcs	Made to order (quote)

Current pricing and ordering: labcorematerials.com/products/18mm-separator-discs-2320-2325-2500/

Contact

business@labcorematerials.com
labcorematerials.com/products/18mm-separator-discs-2320-2325-2500/