

Product Datasheet

CF40 Vacuum-Compatible Hydrophobic Sample Transport Rack - 16 (30 x 30 x 1 mm)

Part Number: CF40-STR-H-16
Revision: A
Issue Date: August 2026
Manufacturer: EJEKT Ltd

Product Overview

The CF40 Vacuum-Compatible Hydrophobic Sample Transport Rack - 16 (30 x 30 x 1 mm) is designed for the secure transport and storage of thin-film substrates used in physical vapour deposition (PVD) and other laboratory vacuum processes.

The rack accommodates up to **16 substrates measuring 30 mm × 30 mm × 2 mm** within the internal dimensions of a standard CF40 vacuum transport tube. Individual slots securely retain each sample, reducing handling while helping minimise the risk of contamination or damage during transfer between deposition, processing and analysis systems.

Manufactured from hydrophobic polypropylene (PP), the rack provides good chemical resistance, low moisture absorption and a lightweight reusable construction suitable for laboratory use.

Key Features

- Holds up to 16 substrates
- Compatible with 30 mm × 30 mm × 2 mm samples
- Designed for CF40 vacuum transport tubes
- Hydrophobic polypropylene construction
- Lightweight and reusable
- Protects samples during transport and storage
- Suitable for research and development laboratories

Technical Specifications

Parameter	Specification
Part Number	CF40-STR-H-16
Sample Capacity	16 substrates
Compatible Sample Size	30 mm × 30 mm × 2 mm
Compatible Tube	CF40 vacuum transport tube
Material	Hydrophobic Polypropylene (PP)
Colour	Black
Operating Environment	Laboratory
Intended Use	Vacuum sample transport and storage
Reusable	Yes
Manufacturing Method	3D Printed

Applications

Suitable for:

- Physical Vapour Deposition (PVD)
- Thin-film research
- Materials science
- Semiconductor process development
- Surface science
- Sample transport between vacuum systems
- Laboratory sample storage

Vacuum Compatibility

The CF40 Hydrophobic PVD Sample Transport Rack is intended for vacuum sample transport and storage applications.

Vacuum performance depends on system cleanliness, operating conditions, pumping configuration and the overall vacuum system design.

This product is not intended as a permanent ultra-high vacuum (UHV) chamber component or for high-temperature bakeout applications.

Cleaning

Before use, inspect the rack for contamination or debris.

Clean using laboratory-approved procedures compatible with polypropylene. Ensure the component is completely dry before installation into a vacuum transport system.

Package Contents

- 1 × CF40 Hydrophobic PVD Sample Transport Rack

Manufacturer

EJEKT Ltd

Precision scientific hardware for optics, vacuum technology and laboratory research.

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