



UOP N-10™ IsoSiv™ Adsorbent

Refining Catalyst

Description

N-10 IsoSiv adsorbent is a high-capacity, alkali metal alumina-silicate molecular sieve adsorbent.

Applications

N-10 IsoSiv adsorbent is optimized for use in the separation of normal paraffins from a mixed C₅ to C₇ stream. UOP TIP™ and the Naphtha IsoSiv process units. The N-10 IsoSiv adsorbent has commercially demonstrated a high separation capacity and stable operation over a wide variety of naphtha feedstocks.

Experience

N-10 IsoSiv adsorbent has been loaded into 36 process units worldwide. Adsorbent lives in excess of 10 years have been achieved. Adsorbent properties have been successfully customized to meet specific customer requirements to increase unit capacity or improve unit operation.

Physical properties

MSD loaded ABD, lb/ft ³ (kg/m ³)	43.3 (694)
Dense loaded ABD, lb/ft ³ (kg/m ³)	48.0 (769)
Nominal diameter inch (mm)	1/16 (1.6)
Shape	Cylindrical extrudate

Packaging

The N-10 IsoSiv adsorbent is available in 55 gallon U.S. (200 liter) UN steel drums at 300 pounds (136.1 kg) net weight per drum. N-10 IsoSiv adsorbent is also available in 2,100 pound (952.6) super sacks upon request.

Regeneration

N-10 IsoSiv adsorbent is fully regenerable using established procedures. The regeneration can be performed in-situ or ex-situ as needed.

Features

The N-10 IsoSiv adsorbent is a high capacity, molecular sieve adsorbent used to separate normal paraffins from a mixed C₅ to C₇ stream. The N-10 IsoSiv adsorbent:

- Has high capacity to maximize unit throughput and provide reliable unit operation.
- Is fully regenerable for extended adsorbent life.
- Can be custom manufactured to meet specific customer requirements.
- Requires no activation step that minimize unit turnaround time.
- Is optimized for use in TIP and Naphtha IsoSiv process units.

Manufacturing capability

UOP manufactures adsorbents in the United States, Europe, and Asia. UOP is committed to provide our worldwide customers with quality products in a timely manner. All of UOP's manufacturing plants are ISO-9002 certified to assure customers of high quality products that meet performance expectations.

Technical support

UOP provides assistance to our customers through:

- Adsorbent dense loading
- Start-up assistance and tuning
- Process training
- Ongoing technical support
- Inspection services
- Unit trouble shooting

For more information

For more information, contact your local UOP representative or our Des Plaines sales office:

e-mail: info@uop.com
fax: +1-847-391-2253
phone: +1-847-391-2000

UOP LLC

25 East Algonquin Road
Des Plaines, IL 60017-5017
U.S.A.
www.uop.com