



Tom Barone

GC Columns

Manufacturing Technician

14+ years of service!

Chromosorb® Diatomaceous Earth Supports

Restek offers the full line of Chromosorb® solid supports that are specially sieved to remove fines and ensure tight particle distribution. Choosing the appropriate support will depend on your application. Need assistance? Call Technical Service at 800-356-1688 or 814-353-1300, ext. 4, or contact your Restek representative for more information.

Chromosorb® P (used to prepare Silcoport™ P)

Chromosorb® P support is manufactured from hard firebrick, making it a rugged material. This support is available acid washed (AW), nonacid washed (NAW), and traditional dimethyldichlorosilane (DMDCS) treated. Chromosorb® P support can hold up to 30 weight% of liquid stationary phase, making it the highest loading support available.

Chromosorb® W (used to prepare Silcoport™ W and Silcoport™ BW)

Chromosorb® W support is a flux-calcinated diatomite. This solid support is very fragile but offers the highest inertness of all diatomaceous earth supports. It can be prepared with up to 25 weight% of liquid stationary phase. Chromosorb® W support is available in AW, NAW, and DMDCS, or treated with Restek's proprietary (Silcoport™) deactivation. Chromosorb® W-HP is an acid washed, silanized version of Chromosorb® W.

Chromosorb® G

Chromosorb® G support is the hardest support available and has the lowest surface area of all the diatomaceous earth supports. Chromosorb® G support is available as AW, NAW, and DMDCS-treated. It can hold up to 10 weight% of liquid stationary phase.

Chromosorb® T

Chromosorb® T support is made from Teflon® material and is an extremely inert solid support.

Call Restek at 800-356-1688 or 814-353-1300, ext. 3, or contact your Restek representative for quotes on any Chromosorb® material. Some of the popular Chromosorb®-based stock columns and packings available are:

Chromosorb® Packings

| Description | Mesh | Min. | | Description | Mesh | Min. | |
|-----------------------|---------|-------|-------|-----------------------|---------|-------|-----------------------|
| | | Qty.* | cat.# | | | Qty.* | cat.# |
| Chromosorb® PNAW | 45/60 | 100g | 25629 | Chromosorb® GAW/DMDCS | 45/60 | 100g | 25651 |
| | 60/80 | 100g | 25630 | | 60/80 | 100g | 25652 |
| | 80/100 | 100g | 25631 | | 80/100 | 100g | 25653 |
| | 100/120 | 100g | 25632 | | 100/120 | 100g | 25654 |
| Chromosorb® PAW | 45/60 | 100g | 25633 | Chromosorb® G-HP | 100/120 | 100g | 25655 |
| | 60/80 | 100g | 25634 | Chromosorb® WNAW | 45/60 | 100g | 25656 |
| | 80/100 | 100g | 25635 | 60/80 | 100g | 25657 | |
| | 100/120 | 100g | 25636 | 80/100 | 100g | 25658 | |
| Chromosorb® PAW/DMDCS | 45/60 | 100g | 25637 | 100/120 | 100g | 25659 | Chromosorb® WAW |
| | 60/80 | 100g | 25638 | 45/60 | 100g | 25660 | |
| | 80/100 | 100g | 25639 | 60/80 | 100g | 25661 | |
| | 100/120 | 100g | 25640 | 80/100 | 100g | 25662 | |
| Chromosorb® GNAW | 45/60 | 100g | 25643 | 100/120 | 100g | 25663 | Chromosorb® WAW/DMDCS |
| | 60/80 | 100g | 25644 | 45/60 | 100g | 25664 | |
| | 80/100 | 100g | 25645 | 60/80 | 100g | 25665 | |
| | 100/120 | 100g | 25646 | 80/100 | 100g | 25666 | |
| Chromosorb® GAW | 45/60 | 100g | 25647 | 100/120 | 100g | 25667 | Chromosorb® W-HP |
| | 60/80 | 100g | 25648 | 60/80 | 100g | 25668 | |
| | 80/100 | 100g | 25649 | 80/100 | 100g | 25669 | |
| | 100/120 | 100g | 25650 | 100/120 | 100g | 25670 | |
| | | | | 120/140 | 100g | 25671 | Chromosorb® T |
| | | | | 40/60 | 100g | 25676 | |

*Bulk quantities are available.

NAW—nonacid washed

AW—acid washed

DMDCS—dimethyldichlorosilane

BW—base washed

DA—deactivated for acidic compounds