

PRODUCT LIST¹
TREVER®|SORB Polymeric Adsorbents

TREVER®|SORB polymeric adsorbents are highly porous polymers whose internal surface areas can be as high as 1400 m²/g. Depending on their composition and structure, a wide variety of complex molecules can be adsorbed.

TREVER®|SORB polymeric adsorbents are used in various specialized applications such as chemical processing, food and beverage processing and pharmaceuticals.



TREVER® SORB ²	Surface Area m ² /g	Ave Pore diameter, Å	Particle Size mm	Applications
ADS100	800	100	0.315 - 1.000	Solvents, small molecules, phenol
ADS150	1400	80	0.315 - 1.000	Solvents, small molecules, phenol
ADS200	800	500	0.315 - 1.000	Plant extracts, antibiotics, enzyme carrier
ADS300	900	200	0.300 – 1.000	Fruit juices stabilization and debittering
ADS320	900	200	0.400 – 1.250	Citrus juice debittering
ADS3000	900	200	0.350 - 0.450	Plant extracts, polyphenols, CephC, cyclosporins
ADS3100	1000	50	0.200 - 0.700	Plant extracts, polyphenols, CephC, cyclosporins
ADS400	900	50	0.315 – 1.000	Plant extracts, natural colours, polyphenols, tannin, CephC, fruit juices stabilization and debittering, proanthocyanidin
ADS500	950	50	0.250 - 0.700	CephC, cyclosporin
ADS600 ³	1000	400	0.250 - 0.700	Proteins
ADS610	1200	150	0.315 - 1.000	Pesticides from natural extracts
ADS620	600	200	0.315 - 1.000	Flavonoids, anthocyanin from plant extracts
ADS630 ⁴	800	100	0.315 - 1000	Color bodies, off-flavors from sugar solutions
ADS700	400	400	0.315 - 1.250	Anthocyanin (acrylic)
ADS800 ⁵	1100	50	0.315 – 1.200	Color bodies, chlorinated hydrocarbons, pesticides

¹ Preliminary data - ² Adsorbents may be modified for particular projects

³ with cationic groups - ⁴ with anionic groups - ⁵ carbonaceous

CHEMRA GmbH (Headquarters)

Wissenschaftspark Trier
Max-Planck-Str. 12
D-54296 Trier
Germany
Tel: +49.651.4628 79 50
Fax: +49.651.4628 79 59
Email: info@chemra.com

**CHEMRA Benelux
Benelux representative office**

Hoornblad 7
1657 KJ Abbekerk
The Netherlands
Tel: +31.657.33 23 53
Fax: +31.229.58 29 89
Mr. Joan Koning (MBA)
Email: j.koning@chemra.com

**CHEMRA Italy
Italy representative office**

Viale Carlo Max 7
I - 27058 Voghera PV
Tel: +39.335 809 46 92
Dr. Aldo Goggi
Email: a.goggi@chemra.com

www.chemra.com

CHEMRA Pacific Sdn Bhd (927999-H)

E-1-39, Block E, Jalan PJU 1A/3A
Taipan Damansara 2
Ara Damansara
47301 Petaling Jaya
Selangor Darul Ehsan
Malaysia
Tel: +603-7842 8588
Fax: +603-7842 9588
Mr. YH Soh
Email: yh.soh@chemra.com

**CHEMRA Korea
Korea Representative office**

Rm 1011, Jeilofficetel, 99-3, Garak-Dong,
Songpa-Gu, Seoul, 138-715, Korea
Tel : +82-2-408-6184
Mobile : +82-11-828-6184
Attn : T.D.Kim (Kim, TaeDong)
td.kim@chemra.com

Safety

Please note, that polymeric adsorbents can swell significantly between the aqueous and pure solvent phases or when rewetted. Care should be taken. Glass columns and polymeric adsorbents can break. Wear glasses when using resin systems. To avoid high pressure build up, an operation in counter current or upflow through the polymer bed shall be considered.

CHEMRA™ makes no warranties either expressed or implied as to the accuracy or appropriateness of this data and expressly excludes any liability upon CHEMRA arising out of its use. Our recommendations cannot be seen as recommending the use of the product in violation of any patent or license. We recommend that the prospective users determine for themselves the suitability of CHEMRA materials and suggestions for any use prior to their adoption. Chemicals and gases must be handled with care and by trained personal, regulatory requirements and safety standards must to be met. Oxidative chemicals like nitric acid or peroxides can be explosive in combination with ion exchange polymers and adsorbents, others can be corrosive. Rewetted dry polymers develop heat and expand significantly. Materials safety data sheets and handling methods are available on request. Ion exchange polymers and adsorbents are generally of industrial grade and impure except otherwise stated by CHEMRA.

TREVER®|LITE, TREVER®|LYST, TREVER®|SORB, TREVER®|ZYME, TREVER®|CHROM and TREVER®|EX are registered trademarks of the CHEMRA Company.



CS-TDS-0004-EN/2_2014-MAR