

# ReliSorb™

Highly porous methacrylic  
chromatographic media



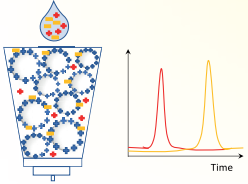
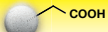
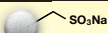
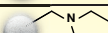
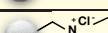


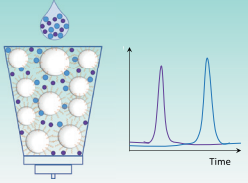
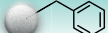
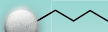


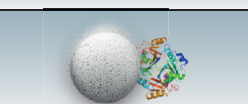


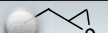
**Resindion** S.r.l.

A Group Company of  MITSUBISHI CHEMICAL

[www.resindion.com](http://www.resindion.com)

# ReliSorb™

## ReliSorb™ products line

	ReliSorb™ 400	Functional group	Application technologies examples
<b>Ion Exchange (IEX)</b> 	CM400		Successful application segments are: <ul style="list-style-type: none"> <li>• Proteins and Enzymes</li> <li>• Molecules from Natural Extracts</li> <li>• Natural and Synthetic APIs</li> <li>• Sugar</li> <li>• Antibiotics, Vitamins, Nutraceuticals</li> </ul>
	SP400		
	DA400		
	QA400		
	SA400		
	LA400		
<b>Hydrophobic Interaction (HIC)</b> 	PH400		<b>More specific examples:</b> Fractionation of milk serum proteins Fractionation of blood serum proteins Purification of plant proteins: papain, bromelain, HRP Fractionation of egg white proteins Purification of trypsin and chymotrypsin from pancreatin
	BU400		
	RB1		
	RB2		
<b>Affinity (AC)</b> 	IDA400		Purification of antibiotics: penicillin, rifamycin, vancomycin Purification of proteins from natural extracts
	HG400		
	EP400		

Supply conditions: ReliSorb™ resins are supplied in wet form.

## Handling and storage

Users are requested to observe the generally accepted precautions for the handling of chemicals and to follow the health and safety recommendations set out in each ReliSorb™ SDS.

ReliSorb™ EP resins have to be stored at 4 – 6 °C and for no longer than six months in sealed packing.

All the other products can be stored at room temperature in original sealed packing.

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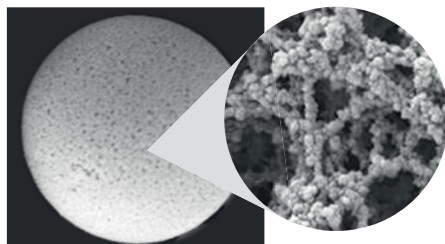
## Typical Features

**ReliSorb™** are Resindion products designed for chromatographic applications, characterized by:

- **Rigid and highly porous** polymeric matrix that allows high flow rates and high column bed size
- **Chemically stable** polymer structure that is **not degradable** by micro-organisms
- **Negligible beads volume change** with pH and salts concentration variation

**ReliSorb™** selected particle size ranges are specially designed for the optimal fixed and expanded bed column operation in capture, intermediate and polishing purification steps.

Particle size distribution range (µm)	
<b>ReliSorb™ 400/SS</b>	50 – 150
<b>ReliSorb™ 400/FP</b>	75 – 200
<b>ReliSorb™ 405/EB</b>	200 – 500
<b>ReliSorb™ RB1:</b>	all possible grades available
<b>ReliSorb™ RB2:</b>	
<b>ReliSorb™ RB2I:</b>	



**Special ReliSorb™** products can be designed on purpose according to customer's needs:

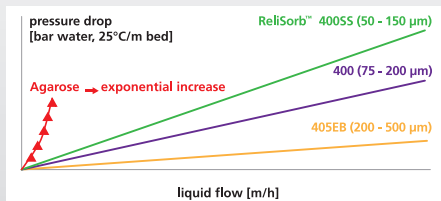
- different ligands
- different porosity
- different particle size distribution.

Compared to soft chromatography gels that suffer a high pressure drop, which limits the column height, **ReliSorb™** by their rigid spherical form, allow scale up of column height and diameter with the advantage of granting high efficiency and best possible separation for all types of chromatography **from the analytical to the industrial scale**:



**ReliSorb™** grade media are used as packing material in **ReliChrom™** columns.

**ReliSorb™** are excellent chromatographic media due to perfect spherical form, narrow particle size distribution and rigid polymeric matrix that allow easy scale up.



# ReliSorb™

## Material Support File



Resindion S.R.L., an UNI EN ISO 9001:2015 certified Company, offers the following regulatory documents for each product

- technical data sheet and relevant technical literature
- certificate of analysis
- safety data sheet.

All substances used in the manufacture of **ReliSorb™** are selected among those reported in the European Resolution ResAP (2004) 3 Version 3 – 28.01.2009, which is related to the resins that can be used in the processing of foodstuffs.

## Customer service

Resindion S.R.L. qualified technical and marketing team grants all the necessary customer assistance, from **ReliSorb™** selection to a periodical analytical control of the products characteristics during operation. Please contact Resindion at: [customerservice@resindion.com](mailto:customerservice@resindion.com) or [technicalservice@resindion.com](mailto:technicalservice@resindion.com).

## Resindion Product Lines



### KAITEKI,

a sustainable condition which is comfortable for people, society and the Earth, transcending time and generations. Sustainability and the betterment of life, through the use of **Good Chemistry For Tomorrow**, are at the core of everything we are doing.

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