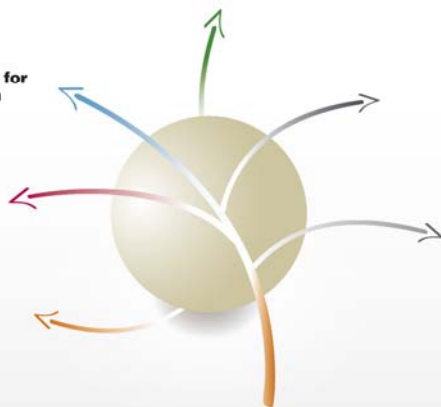


# ReliSorb™

Highly porous hydrophilic  
chromatographic media

**ReliSorb™**

Chromatographic resins for  
biopolymers purification



**Resindion** S.r.l.

A Subsidiary of  MITSUBISHI CHEMICAL

# ReliSorb™

Highly porous hydrophilic chromatographic media

## Typical features

- Rigid, low swelling and highly porous polymeric matrix
- Physically and chemically stable
- Outstanding mechano-osmotic resistance

	AVERAGE PORE RADIUS (nm)	SPECIFIC GRAVITY (g/ml)	BULK DENSITY (g/l)
STANDARD POROSITY GRADE	40 - 50	> 1.10	approx 800

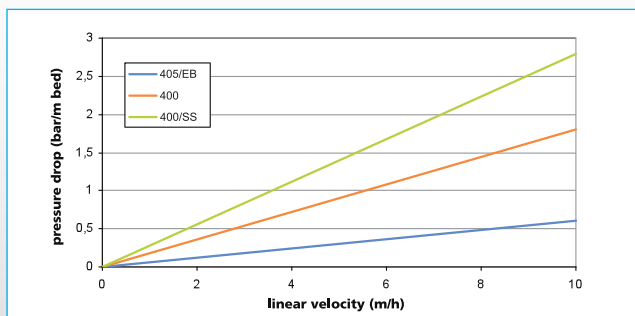
PARTICLE SIZE RANGE (µm)	
ReliSorb™ 400/SS	50 - 150
ReliSorb™ 400	75 - 200
ReliSorb™ 405/EB	200 - 500

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

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














## Pressure drop in water at 25 °C



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## Products line

Type	ReliSorb™ SS	ReliSorb™ 400	ReliSorb™ EB	FUNCTIONAL GROUP	DYNAMIC BINDING CAPACITY (DBC) (mg/ml)
Ion Exchange (IEX)	CM400/SS	CM400	CM405/EB		Lys <sup>c</sup> min. 30
	SP400/SS	SP400	SP405/EB		Lys <sup>c</sup> min. 40
	DA400/SS	DA400	DA405/EB		BSA <sup>a</sup> min. 30
	QA400/SS	QA400	QA405/EB		BSA <sup>a</sup> min. 30
Hydrophobic Interaction (HIC)	PH400/SS	PH400	PH405/EB		BSA <sup>b</sup> min. 30
	BU400/SS	BU400	BU405/EB		BSA <sup>b</sup> min. 30
	OC400/SS	OC400	OC405/EB		BSA <sup>b</sup> min. 30
	OD400/SS	OD400	OD405/EB		BSA <sup>b</sup> min. 20
Affinity (AC)	IDA400/SS	IDA400	IDA405/EB		Papaine <sup>d</sup> min. 10
	HG400/SS	HG400	HG405/EB		N.A.
	EP400/SS	EP400	EP405/EB		N.A.
	SA400/SS	SA400	SA405/EB	Short-arm primary amino-group	N.A.
	LA400/SS	LA400	LA405/EB	Long-arm primary amino-group	N.A.

<sup>a</sup>Feed solution: 10 g/l BSA in 20 mM TRIS - HCl buffer, pH 7; flow rate = 150 cm/h

<sup>b</sup>Feed solution: 10 g/l BSA in 20 mM phosphate buffer, pH 7 + (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> 2 M; flow rate = 150 cm/h

<sup>c</sup>Feed solution: 8 g/l Lysozyme in 20 mM sodium acetate buffer, pH 5; flow rate = 150 cm/h

<sup>d</sup>Feed solution: 20 g/l Papaine crude extract in 20 mM phosphate buffer, pH 7.2 + NaCl 200 mM; flow rate = 150 cm/h

### 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.

# ReliSorb™

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web site  
and  
discover  
the  
**Resindion  
Shop**

## Material Support File



Resindion S.r.l., an UNI EN ISO 9001:2008 certified Company, offers the following regulatory documents for each product:

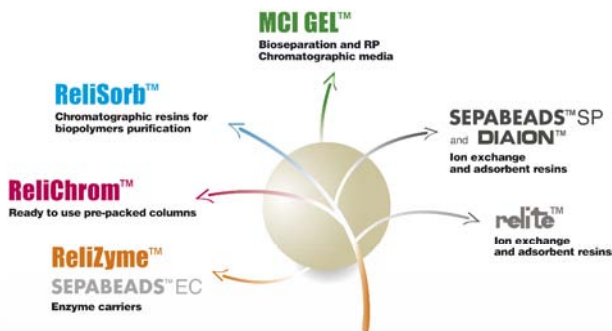
- technical data sheet and relevant technical literature
- certificate of analysis
- safety data sheet

All substances used for 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, on **ReliSorb™** selection and application, periodical analytical control included. Please contact Resindion at: [customerservice@resindion.com](mailto:customerservice@resindion.com) or [technicalservice@resindion.com](mailto:technicalservice@resindion.com)

## Resindion Product Lines



## Resindion S.r.l.

A Subsidiary of  MITSUBISHI CHEMICAL

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Fax: +81 3 3286 1209  
Web site: [www.diaion.com](http://www.diaion.com)



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