



# DIAION

TDS 06048

DIAION HP20 - Synthetic Adsorbent

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## DIAION HP20

DIAION HP20 is a highly porous synthetic adsorbent based on a styrene and DVB copolymer characterized by a calibrated pore structure and a medium hydrophobicity degree.

Its composition complies with the existing food processing rules and regulations.

### APPLICATIONS

- Natural dyes removal and recovery
- Antibiotics recovery and purification
- Vitamines, nucleic acids, enzymes, steroids, proteins, amino-acids recovery / separation and purification
- Fatty acids adsorption
- Aromatic compounds, chlorinated organics and pesticides removal and recovery.

### TYPICAL CHARACTERISTICS

Colour and physical form	:	White opaque	spherical beads
Moisture content	:	55 ÷ 65	%
Pore volume	:	1.3	ml/g approx.
Surface area	:	600	m <sup>2</sup> /g approx.
Pore radius peak	:	200 ÷ 300	Angstrom
Particle size range	:	0.25 ÷ 0.6	m m
Effective size	:	0.25 min	m m
Uniformity coefficient	:	1.6	max
Operating pH range	:	0 ÷ 14	
Operating Temperature range	:	0 ÷ 120°C	
Standard packaging	:	25 ÷ 50	liter bags
Swelling tendency			
- water	:	1.0	
- methanol	:	1.26	approx.
- acetone	:	1.32	approx.
Specific gravity	:	1.01	g/ml approx.

**Resindion** S.r.l.

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