

## PRODUCT DATA SHEET

# Macronet™ MN152

Polystyrenic Macroporous,  
Adsorbent Resin, Free Base form



## PRINCIPAL APPLICATIONS

- Sorption
- Hydrophobic organic species separation
- Decolorization - Sweeteners
- Decolorization - Beer Broths
- Removal of sulfamethazines

## ADVANTAGES

- High mechanical strength
- High surface area compared to a standard adsorbent
- Dual IEX/hydrophobic interaction

## REGULATORY APPROVALS

- IFANCA Halal Certified
- Kosher Certified
- Compliant with FDA Regulation 21 CFR 173.25 for Food Treatment, Ion Exchangers
- Compliant with Europe Resolution ResAP (2004)3
- GMO/TSE/BSE free

## TYPICAL PACKAGING

- 1 ft<sup>3</sup> Sack
- 25 L Sack
- 5 ft<sup>3</sup> Drum (Fiber)
- 1 m<sup>3</sup> Supersack
- 42 ft<sup>3</sup> Supersack

## TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Tertiary Amine
Ionic Form	FB
Total Capacity	0.2 eq/L (4.4 Kgr/ft <sup>3</sup> ) (Cl <sup>-</sup> form)
SBC	
Moisture Retention	44 - 50 % (Cl <sup>-</sup> form)
Particle Size Range	300 - 1200 µm
Mean Diameter	535 ± 85 µm
Pore Volume	0.55 - 0.75 mL/g
Pore Volume (min.)	0.6 mL/g
Uniformity Coefficient (max.)	1.4
Reversible Swelling, FB → Cl <sup>-</sup> (max.)	5 %
Specific Gravity	1.09
d50, Meso and Macropores (min.)	200 - 450 Å
d50, Micropores	14 Å
pH limits, Stability	0 - 14

SBC (max.)	20 %
Surface Area (min.)	750 m <sup>2</sup> /g
Shipping Weight (approx.)	685 - 720 g/L (42.8 - 45.0 lb/ft <sup>3</sup> )
Temperature Limit	60 °C (140.0 °F) (FB form)



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