PRODUCT DATA SHEET

Macronet™ MN152

Hyper-crosslinked Polystyrenic Macroporous, Adsorbent Resin, Weak Base Functionality, 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/hydrobobic 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 ft³ Sack
- 25 L Sack
- 5 ft³ Drum (Fiber)
- 1 m³ Supersack
- 42 ft³ 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/ft³) (Cl^- form)
SBC	
Moisture Retention	44 - 50 % (Cl^- form)
Particle Size Range	300 - 1200 µm
Mean Diameter	535 ± 85 µm
Pore Volume (min.)	0.6 mL/g
Uniformity Coefficient (max.)	1.4
Reversible Swelling, FB → Cl^- (max.)	5 %
Specific Gravity	1.09
d50, Micropores	14 Å
pH Limits, Stability	0 - 14
SBC (max.)	20 %
Surface Area (min.)	750 m²/g
Shipping Weight (approx.)	685 - 720 g/L (42.8 - 45.0 lb/ft³)
Temperature Limit	60 °C (140.0 °F) (FB form)

Purolite®

Americas
T +1 610 668 9090
F +1 610 668 8139
americas@purolite.com

EMEA
T +44 1443 229334
F +44 1443 227073
europe@purolite.com

Asia Pacific
T +86 571 876 31382
F +86 571 876 31385
asiapacific@purolite.com

FSU
T +7 495 363 5056
F +7 495 564 8121
fsu@purolite.com

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Purolite expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.

Purolite®

Americas
T +1 610 668 9090
F +1 610 668 8139
americas@purolite.com

EMEA
T +44 1443 229334
F +44 1443 227073
europe@purolite.com

Asia Pacific
T +86 571 876 31382
F +86 571 876 31385
asiapacific@purolite.com

FSU
T +7 495 363 5056
F +7 495 564 8121
fsu@purolite.com