

PRODUCT DATA SHEET

Purolite™ Macronet™ MN270

Hyper-crosslinked Polystyrenic
Macroporous, Adsorbent Resin, Non-
Ionic form, Microporous matrix

PRINCIPAL APPLICATIONS

- Sorption
- Hydrophobic organic species separation
- Gas Adsorption: Small halogenated VOC
- Beta-lactam purification (cephalosporin)

ADVANTAGES

- High mechanical strength
- High surface area compared to a standard adsorbent

REGULATORY APPROVALS

- OK Kosher Certified
- IFANCA Halal Certified
- Compliant with FDA Regulation 21 CFR 177.27.10 for Repeated Use
- 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	None
Ionic Form	None
Moisture Retention	35 - 50 %
Particle Size Range	300 - 1200 µm
Typical Pore Diameter by nitrogen adsorption (Meso/Macro/ Transport Pores)	80 Å
Typical Pore Diameter by nitrogen adsorption (Micropores)	15 Å
Typical Pore Volume by nitrogen adsorption	0.5 mL/g
Typical Surface Area by nitrogen adsorption	1200 m²/g
Specific Gravity	1.04
Shipping Weight (approx.)	655 - 685 g/L (40.9 - 42.8 lb/ft³)
pH Limits, Stability	0 - 14
Temperature Limit	150 °C (302.0 °F)

Ecolab is a global developer, manufacturer, and supplier of Purolite™ Resins including ion exchange, catalyst adsorbent and advanced polymers that make the world cleaner and healthier.

www.puoliteresins.com



We're ready to solve your process challenges.

For further information on products and services, visit www.puoliteresins.com or complete a Contact Us form via PuoliteResins.com/contact-us or use the QR code.

Contact Us Form:



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.