

HYDRASORB®

Hydrophilic Urethane Foam

PRODUCT DATA SHEET

Hydrasorb® Foam

Hydrasorb® is the trademarked name of a group of medical-grade polyurethane, hydrophilic foams. This foam is manufactured from a base material of polyether polyisocyanate resins. Due to physical properties, including breathability and absorbency, Hydrasorb® is ideal for wound dressings, cosmetic or personal care functions. Hydrasorb® is sterilizable.

Hydrasorb® Features

- Tested for compliance to ISO 10993-1
- Die cut or 18" X 36" sheets (1/8" to 3/4" wetted thickness) or molded to shape
- Custom mixable with additives
- Minimal residual, extractable TDA (toluene diamine) < 0.60 mg/ml

Typical Physical Properties

| | | |
|---|----------------------------|-----------------------|
| Foam Type: | Medical-grade Polyurethane | |
| Absorption Category:..... | Hydrophilic | |
| Absorption Capacity (Water):..... | up to 15 X Dry Wt. | [ASTM D1667] |
| Cell Structure (DRY Avg.):..... | 86 Cells/Linear In. | |
| Density (Nominal/DRY):..... | 7.5 lb/ft ³ | [ASTM D3574] |
| Elongation % (DRY Avg.):..... | 650 % | [ASTM D3574] |
| Expansion in Water (length)(Avg.):..... | 31 % (Avg.) | [ASTM F1087] |
| Foam Moisture Content (DRY Avg.):..... | 3.56 % | [Karl Fischer Method] |
| Indention Force Deflection (IDF): | | [ASTM D3574 Test B1] |
| IDF @ 25%: (N) | 133 % | |
| IDF @ 65%: (N) | 346 % | |
| Resiliency/Rebound Test (RT): | | [ASTM D3574 Test B1] |
| RT @ 25%: (N) | 121 % | |
| Compression Set (DRY Avg.):..... | | [ASTM D3574] |
| 25%: | 16.0 % | |
| 50%: | 36.0 % | |
| Tensile Strength (Dry): | 30.0 lbf/In ² | [ASTM D3574 Test B1] |



3 State Pier Road
New London, Connecticut 06320-5817

www.carwild.net

Tel: (860) 442-4914
Fax: (860) 442-5895