

# 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 <sup>3</sup>	[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 <sup>2</sup>	[ASTM D3574 Test B1]



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