

# IVALON®

PVAc (Polyvinyl Acetal) Foam

## PRODUCT DATA SHEET

### Ivalon® PVA (Polyvinyl Acetal) Foam

Ivalon® is a medical-grade foam sponge material [also known as polyvinyl alcohol] which is produced by the polymerization reaction of PVAc (Polyvinyl Acetal). This porous sponge material consists of three-dimensional, interconnected open cells that are soft and pliable when wet and semi-rigid when dry. The interconnected cell structure produces a highly absorbent sponge that is virtually lint and fiber free. Depending on the pore size (grade), PVA sponges will absorb up from 10-20 times its weight in water. Ivalon® PVA foam is sterilizable.

### Ivalon® Foam Features

- 100% fiber free
- Tested for compliance to ISO 10993-1
- High tensile strength
- Size adjustable by hand trimming with scissors
- Highly absorbent
- Effective capillary action
- Tear and shred resistant
- Soft and pliable when hydrated/wetted

### Typical Physical Properties

	FOAM GRADE		
	0	1	3
Absorption Category:	Hydrophilic	Hydrophilic	Hydrophilic
Pore Size/Diameter (Avg.) [ref only]:	0.13mm	0.16mm	0.22mm
Cell Structure (Dry) (Avg.)	110 cells/linear in.	90 cells/linear in.	60 cells/linear in.
Density (Dry)(Nominal) [ASTM D3574 Test B1]:	8.2 lb/ft <sup>3</sup>	7.8 lb/ft <sup>3</sup>	5.7 lb/ft <sup>3</sup>
Moisture Content (Dry) (Avg.) [Karl Fischer Method]	7.04%	4.96%	4.75%
Tensile Strength (Wet) [ASTM D3574 Test B1]:	>30 psi	>20 psi	>50 psi
Absorption Capacity (Water) [ASTM D1667] [X Dry Weight]:	Up to 10	Up to 17	Up to 12
Expansion (Length) (Water) [ASTM F1087]:	Up to 10%	Up to 8%	Up to 8%
Elongation (Water) [ASTM D3574]	Up to 150%	Up to 300%	Up to 400%



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