

Capu-Cell[®] – Hydrophilic Polyurethane Foam

Capu-Cell[®] is medical grade hydrophilic polyurethane foam with distinct performance characteristics that make it an effective material for a wide variety of applications such as applicator and cleaning products, medical products applicator, cosmetics and clean room wipes.

Capu-Cell[®] is highly absorbent and soft to the touch while providing superior strength and consistent performance.

Technical Data Sheet			
PROPERTY	TEST STANDARD	MEDIUM DENSITY	HIGH DENSITY
PHYSICAL			
Nominal Density (lbs/ft ³)		4.5	7.5
Cell Structure (ppi)	ASTM D3576B	>100	>100
Color		White	White
Material Stock	N/A	Bun & Sheeted	Bun & Sheeted
Compression Force Deflection (psi)	ASTM D3574 Test C	25% - 0.7 65% - 3.4	25% - 6.0 65% - 25.4
Compression Set 50%	ASTM D33574 Test D	4.1%	1.7%
Durometer (Shore 00)	ASTM D2240	Indentation Hardness - 3	Indentation Hardness - 5
Elongation (%)	ASTM D3574 Test E	262.9	292.1
Indentation Force Deflection (lbs.)	ASTM D3574 Test B1	25% - 53.6 65% - 137.7	25% - 148.0 65% - 413.4
Tear Resistance (N/mm)	ASTM D3574 Test F	0.963	1.33
Tensile Strength (psi)	ASTM D3574 Test E	10.6	14.6
Water Absorbency (%)	ASTM D2842	9.4	8.7
Expansion in Water (%)	ASTM D1667	48.3	47.3
Water Retention (Absorption) (kg/ft ²)	ASTM D1667	1.33	1.37
BIOLOGICAL			
Cytotoxicity	ISO10993-5 MEM Elution	Pass	Pass
Pyrogens	ISO10993-11	Pass	Pass
Sterilizable		Yes	Yes

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1200 Northland Avenue
Buffalo, New York 14215
(716) 895 – 6100 Ext. 261