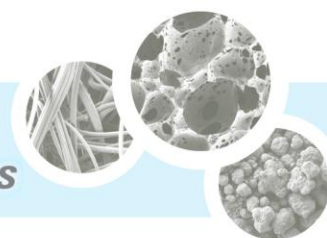


MEDISPONGE® MEDICAL-GRADE FOAMS

*solid solutions
for fluid challenges*



Filtrona Porous Technologies' Medisponge® hydrophilic, polyurethane foams are designed for advanced wound care dressings and other medical applications. The innovative, medical-grade products feature high absorptive capacities and ultra-pure formulations. Customization is available through laminations, customer specific additives, and product thickness.

Property	Test Method	Typical Value		
		Medisponge® 30W	Medisponge® 50P(W)	Medisponge® 01
Process		Skived to Thickness	Poured to Thickness	Skived to Thickness
Base Polymer		TDI	TDI	TDI
Thickness*		5 mm	5 mm	5 mm
Density	ASTM D3574	105 kg/m ³ (6.6 lbs/ft ³)	95 kg/m ³ (5.9 lbs/ft ³)	85 kg/m ³ (5.3 lbs/ft ³)
Tensile Strength	ASTM D3574	200 kPa (29 psi)	345 kPa (50 psi)	190 kPa (28 psi)
Elongation	ASTM D3574	300%	190%	250%
Tear Strength	ASTM D3574	650 N/m (3.7 lbs/in)	980 N/m (5.6 lbs/in)	910 N/m (5.2 lbs/in)
Hardness	Shore 000	40	45	48
Pores Per Inch		100	125	75
Absorption Rate of a Water Drop		< 20 sec	< 20 sec	< 20 sec
Free Swell Absorptive Capacity	BS EN 13726-1: 2002	15 g/g (93 g/100cm ²)	18 g/g (95 g/100cm ²)	14 g/g (97 g/100cm ²)
Volume Expansion		75%	75%	90%
Fluid Retention Under Compression		7.0 g/g	7.5 g/g	6.5 g/g
Cytotoxicity	ISO 10993-5	Pass	Pass	Pass

Manufactured in an ISO 13485 certified facility.

*Data based on 5 mm thickness. These are typical values only and are not to be interpreted as specifications.

Delivering to 56 countries and counting.
Find a sales office near you at:
www.FiltronaPorousTechnologies.com

United States
+1 804 524 4983

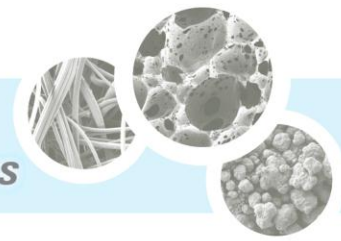
Germany
+49 40 7270 7221

China
+86 574 2685 7999



MEDISPONGE® SUPERSOFT FOAMS

*solid solutions
for fluid challenges*



Filtrona Porous Technologies' Medisponge® SuperSoft hydrophilic, polyurethane foams are designed for advanced wound care dressings and other medical applications. The innovative, medical-grade Medisponge® SuperSoft products feature high absorptive capacities and a super soft feel.

Property	Test Method	Typical Value		
		Medisponge® SuperSoft 60P	Medisponge® SuperSoft 70P	Medisponge® SuperSoft 70S
Process		Poured to Thickness	Poured to Thickness	Skived to Thickness
Base Polymer		TDI	MDI	MDI
Thickness*		3 mm – 5 mm	3 mm – 5 mm	3 mm – 5 mm
Density	ASTM D3574	70 kg/m ³ (4.4 lbs/ft ³)	115 kg/m ³ (7.2 lbs/ft ³)	120 kg/m ³ (7.5 lbs/ft ³)
Tensile Strength	ASTM D3574	85 kPa (12 psi)	100 kPa (15 psi)	125 kPa (18 psi)
Elongation	ASTM D3574	225%	145%	190%
Tear Strength	ASTM D3574	300 N/m (1.7 lbs/in)	250 N/m (1.4 lbs/in)	280 N/m (1.6 lbs/in)
Pores Per Inch		125	260	230
Absorption Rate of a Water Drop		< 20 sec	< 20 sec	< 20 sec
Free Swell Absorptive Capacity	BS EN 13726-1: 2002	20 g/g (75 g/100cm ²)	14 g/g (80 g/100cm ²)	14 g/g (76 g/100cm ²)
Volume Expansion		65%	70%	80%
Fluid Retention Under Compression		9.0 g/g	10.0 g/g	9.0 g/g
Cytotoxicity	ISO 10993-5	Pass	Pass	Pass

Manufactured in an ISO 13485 certified facility.

*Data based on 5 mm thickness. These are typical values only and are not to be interpreted as specifications.

Delivering to 56 countries and counting.
Find a sales office near you at:
www.FiltronaPorousTechnologies.com

United States
+1 804 524 4983

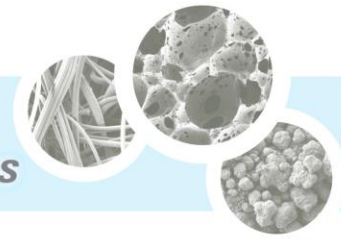
Germany
+49 40 7270 7221

China
+86 574 2685 7999



MEDISPONGE® COMPOSITE FOAMS

*solid solutions
for fluid challenges*



Medisponge® Composite Foams are medical-grade foam-fiber hybrid materials based on Medisponge® SuperSoft foam technology. The hybrid foam structure comprises a fiber web interspersed throughout the hydrophilic foam matrix. Designed for medical applications, including advanced wound care, this innovative product features absorbent characteristics and high tear strength.

Property	Test Method	Typical Value	
		Medisponge® Composite	
Reinforcement		Polymeric Fiber	
Base Polymer		MDI	
Thickness*		3 mm – 7 mm	
Density	ASTM D3574	95 – 150 kg/m ³ (5.9 – 9.4 lbs/ft ³)	
		<i>Machine Direction (MD)</i>	<i>Transverse Direction (TD)</i>
Tensile Strength	ASTM D3574	2100 kPa (305 psi)	400 kPa (58 psi)
Elongation	ASTM D3574	40%	140%
Tear Strength	ASTM D3574	4100 N/m (23 lbs/in)	4600 N/m (26 lbs/in)
Hardness	Shore 000	65	
Absorption Rate of a Water Drop		≤ 10 sec	
Free Swell Absorptive Capacity	BS EN 13726-1: 2002	10 g/g (58 g/100cm ²)	
Volume Expansion		35%	
Fluid Retention Under Compression		7.5 g/g	
Cytotoxicity	ISO 10993-5	Pass	

Patents Pending

Manufactured in an ISO 13485 certified facility.

*Data based on 5 mm thickness. These are typical values only and are not to be interpreted as specifications.

Delivering to 56 countries and counting.
Find a sales office near you at:
www.FiltronaPorousTechnologies.com

United States
+1 804 524 4983

Germany
+49 40 7270 7221

China
+86 574 2685 7999

