

Lendell Medisponge®

Category : Polymer , Thermoset , Polyurethane, TS

Material Notes:

Latex Free This line of foam is specifically directed towards the medical industry. This line has regulatory approval under FDA Guidelines 10993-1. Applications: Surgeons Blankets, Swabs, Wraps, Wipes, Electronic Cleanroom Wipes, Saliva Swab Kits, Industrial Scrubbers, Foam with "Super Absorbents", Enzymes in Foam, Humidor Sponges, Wicking Sponges, Foot Products, Wound Dressing, Contraceptives, Hydration Products, Medicated Foot Products, Effluent Water Filtrations, Nuclear Waste Filtration Information provided by Lendell Manufacturing Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lendell-Medisponge.php

Physical Properties	Metric	English	Comments
Density	0.0913 g/cc	0.00330 lb/in ³	
Water Absorption	17.2 %	17.2 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	0.170 MPa	24.6 psi	ASTM D3574
Elongation at Yield	354.7 %	354.7 %	
Tear Strength	0.894 kN/m	5.10 pli	Die "C", average; ASTM D3574
	2.47 kN/m	14.1 pli	Average; ASTM D3574
	<= 2.52 kN/m	<= 14.4 pli	Max.; ASTM D3574
Compression Set	2.3 %	2.3 %	50%; 1H%ct
	4.4 %	4.4 %	50%; 1H%cd
	42.9 %	42.9 %	50%; 2E%ct
	43.9 %	43.9 %	50%; 1A%ct
	80.2 %	80.2 %	50%; 1A%cd
	84.5 %	84.5 %	50%; 2E%cd

Descriptive Properties	Value	Comments
% Volume Swell	56	Saturated
CLD 50%	0.7	
CLD 50% R	0.7	

Descriptive Properties	Value	Comments
Expansion, %	13	in Isopropyl Alcohol
Hysteresis	14.3	
IFD 25% R	22	ASTM D3574
IFD 25% RRT	18.9	ASTM D3574
IFD 65%	63.6	ASTM D3574
Recovery	85.7	
Sag Factor	2.9	
Water Retention, %	2.9	
Wet Out, minutes	1	

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