

Lendell Supersoft Foams

Category : Polymer , Thermoset , Polyurethane, TS

Material Notes:

Angel Skin This line of foam has excellent feel and touch characteristics, as well as absorbency. The "breath-ability" of these foams, due to their high moisture vapor transmission qualities and the soft feel makes them ideal for skin contact applications. The foam is also formulated for use in the medical field. Applications: Outdoor Apparel, Boots, Gloves, Skin Contact Applications, Bed Comforters, Ski Goggles Lense Cleaner, Foam with Metal Dust, "New Grit" Abrasive Foam Blocks, Mattresses and Pillows Information provided by Lendell Manufacturing Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lendell-Supersoft-Foams.php

Physical Properties	Metric	English	Comments
Density	0.0849 g/cc	0.00307 lb/in ³	
Water Absorption	8.5 %	8.5 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	0.0814 MPa	11.8 psi	ASTM D3574
Elongation at Yield	382.6 %	382.6 %	
Tear Strength	0.578 kN/m	3.30 pli	Die "C", average; ASTM D3574
	0.877 kN/m	5.00 pli	Average; ASTM D3574
	<= 0.894 kN/m	<= 5.10 pli	Max.; ASTM D3574
Compression Set	7.3 %	7.3 %	50%; 1H%ct
	16.1 %	16.1 %	50%; 1H%cd
	32.4 %	32.4 %	50%; 2E%ct
	35.7 %	35.7 %	50%; 1A%ct
	81.4 %	81.4 %	50%; 1A%cd
	87.3 %	87.3 %	50%; 2E%cd

Descriptive Properties	Value	Comments
CLD 50%	0.3	
CLD 50% R	0.3	
Comfort Factor	0.2	

Expansion % Descriptive Properties	Value	Comments Alcohol
Hysteresis	17.1	
IFD 25% R	5.7	ASTM D3574
IFD 25% RRT	4.7	ASTM D3574
IFD 65%	31.9	ASTM D3574
Recovery	82.9	
Sag Factor	5.6	
Water Retention, %	2.6	
Wet Out, minutes	5	

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