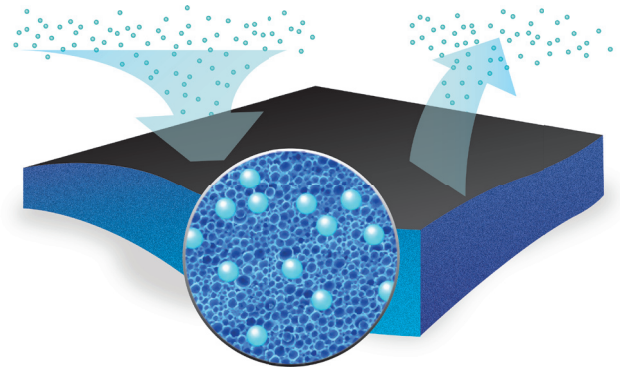


Special Feature Material - PORON® ProZorb™ Series

Look to the PORON® ProZorb™ Series for a unique moisture management and wicking solution that can complement many product designs. Available in the PORON Performance and Slow Rebound formulations, PORON ProZorb Series offers built-in moisture control to keep the body dry and comfortable for all day casual wear and during high intensity activities.

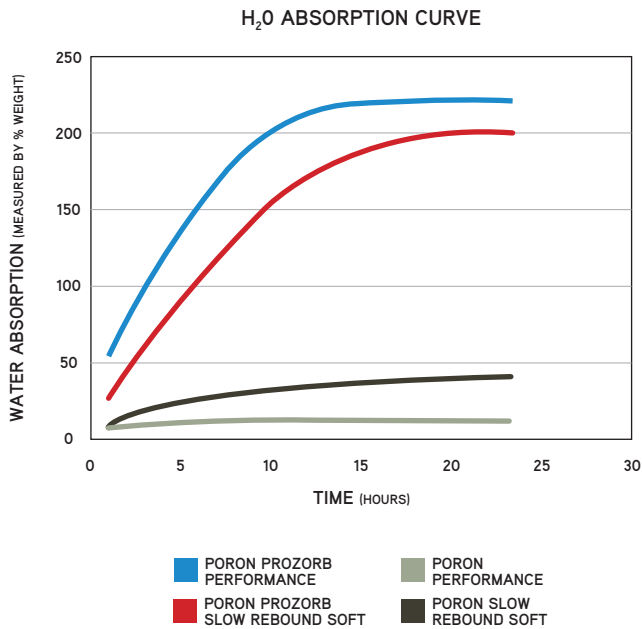
PORON ProZorb Cushioning wicks away moisture vapor from the body during use, then releases the moisture vapor from the material after use. Because PORON Materials maintain their properties throughout the life of your product, you can count on PORON ProZorb Materials to yield long lasting comfort and moisture management use after use.

A perfect material for footwear, apparel and sporting goods applications, PORON ProZorb Materials will help ensure that the wearer experiences the ultimate comfort and moisture management.

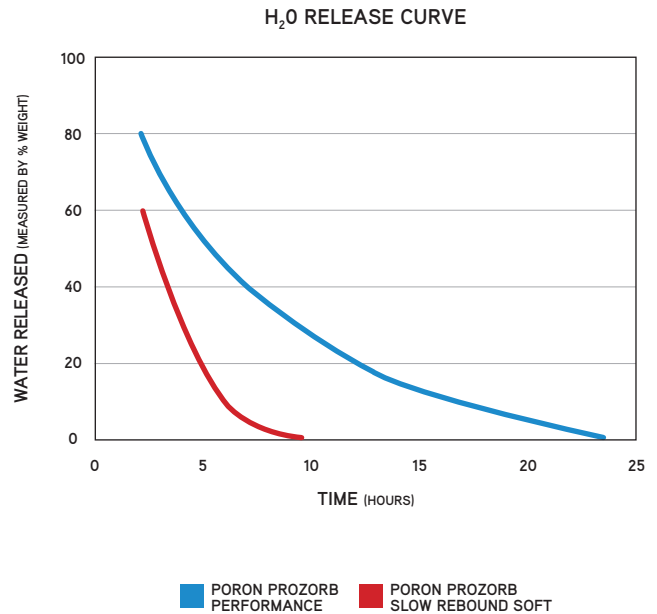


PORON® ProZorb™ Cushioning wicks away moisture vapor from the body during use, then releases moisture vapor from the material when not in use.

PORON® ProZorb™ Series Wicks Away Water Vapors for Lasting Comfort and Moisture Management



PORON® ProZorb™ Series Quickly releases Moisture Vapor When Not in Use



Additional PORON® ProZorb™ variations may be available upon special order. Rogers recommends textile or leather covering for additional comfort and wear strength. Please contact your Rogers Customer Service Representative for more details.



performance
cushioning

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PORON® ProZorb® Series Preliminary Physical Properties

PROPERTY	TEST METHOD	PRODUCT		
		PORON® ProZorb™ Performance Shock Absorbing (F-Firm)		PORON® ProZorb™ Slow Rebound Soft
FORMULATION				
*DENSITY, lb. / ft ³	ASTM D3574-95 Test A	15	17	15
Specific Gravity		0.24	0.27	0.24
Tolerance, %		± 10		± 10
*STANDARD THICKNESS		See Product Availability		
Tolerance, %		± 10		
STANDARD COLOR		Dusk Blue (83)		Ginger (49)
AIR PERMEABILITY	Gurley Densometer	Open Cell - Breathable		
*COMPRESSION SET, % max.	ASTM D3574 Test D @ 158°F (70°C)	10		
*COMPRESSION FORCE DEFLECTION, psi	0.2"/min. Strain Rate Force Measured @ 25% Deflection	6 - 16	8 - 24	2 - 7
kPa		41 - 111	55 - 165	13 - 48
HARDNESS, Durometer	Shore "O"	21	24	10
HYDROLYSIS RESISTANCE	ASTM D3574 Test J / Test D after autoclaved 5 hrs @ 250°F (121°C)	Good Resistance		
Compression Set, % Max		5		
RESILIENCE, Shore Instrument Resiliometer, avg (Ball Rebound Tester)	ASTM D 2632-96, Vertical Rebound	18	19	5
WATER VAPOR TRANSFER, Typical g/ft ² /24hrs (g/m ² /24hrs)	Based on ASTM E96-00	50 (538)		48 (517)
WATER ABSORPTION, % Wt Gain, Typical	Based on ASTM D570	125		
ANTIMICROBIAL, FUNGAL RESISTANCE	ASTM G 21	Does not promote fungal growth		
SKIN CONTACT	Primary Skin Irritation - FHSA	Pass		
TEAR STRENGTH, pli, min.	ASTM D624 Die C	5		3
kN/m		0.9		0.5
*TENSILE ELONGATION, % min.	ASTM D3574 Test E	50		100
*TENSILE STRENGTH, psi, min.	ASTM D3574 Test E	50		40
kPa		345		276
TEMPERATURE RESISTANCE, max Recommended Constant Use	ASTM D746-98	90°C (194°F)		70°C (158°F)
CHEMICAL RESISTANCE		PORON Urethanes are unaffected by mild organic acids and bases. They show modest swelling with oils and greases and other linear hydrocarbons. Strong polar solvents will greatly swell PORON Urethanes. In most cases, physical properties recover to a great extent as the solvents evaporate.		

Notes: 1. All metric conversions are approximate. 2. Additional technical services are available. 3. Information listed based on typical physical properties. 4. *Standard testing property; Certificate of Compliance available per lot.



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