



Rogers Corporation
High Performance Elastomers Division
 PORON Materials Unit
 245 Woodstock Road
 Woodstock, CT 06281-1815
 Phone: 860 928-3622
 Fax: 860 928-7843

Cellular Urethane Foams

PORON 4701-41 Low Modulus Grade (Soft) - Low Porosity
(replaces 4701-21)
Preliminary Product Properties

PROPERTY	TEST METHOD	VALUE	
Density, lb. / ft ³ (kg / m ³) Tolerance, %	ASTM D3574 - Test A	15 (240)	20 (320)
		± 10	
Thickness, inches (mm) (see standard availability listing) Tolerance, %		0.188 (4.78)	0.062 (1,57)
		0.250 (6.35)	0.093 (2,36)
		0.375 (9.53)	0.125 (3,18)
		0.500 (12.70)	
		± 10	
PHYSICAL			
Standard Color, (Code)		Black (04)	
Compression Set, % after 24 hour recovery, max.	ASTM D3574 - Test D @ 73°F (23°C)	2	
	ASTM D3574 - Test D @ 158°F (70°C)	10	
	ASTM D3574 - Test J / Test D after autoclaved 5 hrs. @ 250°F (121°C)	5	
Compression Force Deflection, psi (kPa)	0.2" / min. Strain Rate Force Measured @ 25% Deflection	5 - 11 (35 - 76)	10 - 17 (69 - 117)
Tear Strength, pli, min. (kN/m)	ASTM D624 - Die C	6 (1.1)	8 (1.4)
Tensile Elongation, %, min.	ASTM D3574 - Test E	100	
Tensile Strength, psi, min. (kPa)	ASTM D3574 - Test E	40 (276)	90 (620)
Air Permeability, Gurley Densometer	PMU Test Method Time for 100cc of air to flow through	No movement after 4 min	
THERMAL			
Temperature Resistance Cold Flexibility Embrittlement Recommended Constant Use, max. Recommended Intermittent Use, max.	MIL-P-12420C @ -40°F (-40°C) ASTM D746	Pass -40°F (-40°C) 158°F (70°C) 250°F (121°C)	

The above data represents preliminary values. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose. The user should determine the suitability of Rogers PORON® material for each application.

Notes:

1. All metric conversions are approximate.