

PORON® AquaPro® Formulation 51 - Firm Sealing

PROPERTY	TEST METHOD	VALUE
PHYSICAL		
Density, kg/m ³ (lb./ft ³)	ASTM D3574-95, Test A	240 (15)
Tolerance, %		± 10
Thickness, mm (inches)		3.18 - 12.70 (0.125 - 0.500)
Tolerance, %		± 10
Standard Color (Code)		Black (04)
Compression Force Deflection, kPa (psi)		
Range kPa (psi)	0.51 cm/min (0.2"/min)	55 - 97 (8 - 14)
Typical kPa (psi)	Strain Rate Force Measured @ 25% Deflection	69 (10)
Compression Set, % max	ASTM D3574-95 Test D @ 23°C (73°F)	5
	ASTM D3574-95 Test D @ 70°C (158°F)	10
Dimensional Stability, % max change	22 hrs @ 80°C (176°F) in a Forced-Air Oven	± 1
Tensile Strength, min. kPa (psi)	ASTM D3574-75 Test E	482 (70)
Tensile Elongation, % min.	ASTM D3574-75 Test E	100
Tear Strength, min. kN/m, (pli)		1.1 (6)
Typical kNm, (pli)	ASTM D264-91 Die C	2.1 (12)
TEMPERATURE RESISTANCE		
Recommended Constant Use, max.	SAE J-2236	90°C (194°F)
Recommended Intermittent Use, max.		121°C (250°F)
Embrittlement	ASTM D746-98	-40°C (-40°F)

For more information and to request a sample, please contact our team of experts at solutions@rogerscorp.com