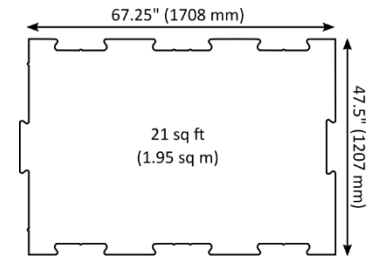


## Typical Properties & Specification

<b>Product Number</b>	SP20XL
<b>Material Type</b>	Expanded polypropylene composite containing approximately 30% by volume reprocessed pre-consumer and/or post-consumer recycled material
<b>Part Format</b>	Interlocking panel
<b>Part Size, nominal net coverage</b>	21.0 sq. ft per panel (1.95 sq. m)
<b>Part Thickness, nominal</b>	0.79 in (20 mm)
<b>Part Length, nominal</b>	67.25 in (1708 mm)
<b>Part Width, nominal</b>	47.5 in (1207 mm)
<b>Part Weight, nominal</b>	5.0 lb per panel



Property (Shock Pad Only)	Typical Value	Specification	Test Method
<b>Tensile Strength</b> <sup>1</sup>	72 psi	> 45 psi	ASTM D3574, Test E
<b>Tensile Elongation</b> <sup>1</sup>	20%	> 10%	ASTM D3574, Test E
<b>Compression Strength</b> <sup>2</sup> @ 25% strain @ 50% strain	32 psi 50 psi	> 25 psi > 40 psi	ASTM D3575, Test D
<b>Compression Set</b> <sup>3</sup> 35 psi for 30 minutes – % set after 24 hr	4%	< 7%	Brock Test Method
<b>Coefficient of Linear Thermal Expansion</b> <sup>4</sup> per 1 °C change	0.06 mm/m	< 0.10 mm/m	ASTM D696
<b>Water Absorption</b> <sup>5</sup> After 24 hr immersion	3.1%	≤ 5%	DIN 53428
<b>Water Permeability (Vertical Drainage)</b> <sup>5</sup>	938 in/hr	> 500 in/hr	ASTM F1551: DIN 18-035, Part 6
<b>Critical Fall Height (HIC = 1000)</b> <sup>5</sup>	1.07 m	> 0.7 m	ASTM F3146, Procedure A
<b>Gmax</b> <sup>5</sup>	98 g	< 120 g	ASTM F355 (Missile A)
<b>Shock Absorption</b> <sup>5</sup>	63% 65%	> 55% > 55%	ASTM F3189 (Adv. Artificial Athlete) EN 14808 (Artificial Athlete)
<b>Vertical Deformation</b> <sup>5</sup>	7.2 mm 2.8 mm	< 8.0 mm < 4.0 mm	ASTM F3189 (Adv. Artificial Athlete) EN 14809 (Artificial Athlete)
<b>Resistance to Chemicals</b> <sup>5</sup>	No Change	≤ 2	ASTM F925
<b>Microbiological Analysis</b> bacteria resistance <sup>6</sup> fungi resistance <sup>7</sup>	No growth No growth	No growth No growth	ASTM G22 ASTM G21
<b>Environmental Standards Testing</b> Heavy Metals <sup>8,9</sup> VOCs <sup>8,9</sup> SVOCs <sup>8,9</sup> California Title 22 <sup>9</sup> California Proposition 65 <sup>10</sup>	Compliant with EPA human health standards, surface water and groundwater quality  Compliant  Certified (no listed mat'ls)	Compliant with EPA human health standards, surface water and groundwater quality  Compliant  Certified (no listed mat'ls)	EPA 6010B, 7470A, 7471A EPA 8260B EPA 8270C CA Code of Regulations, Title 22, Division 4.5, Chapter 11 California Proposition 65

DATA ARE TYPICAL PROPERTIES ONLY. THIS DOCUMENT DOES NOT CREATE ANY WARRANTY, EXPRESS OR IMPLIED.

<sup>1-10</sup> Test reports available upon request. Patented and Patents Pending.