



A new step in the evolution of Zero Porosity fabrics.

- Lighter
- Thinner
- Stronger
- Easier to pack
- New weave design
- Packs 15% smaller than traditional ZP fabrics

Why the honeycomb hexagon?

In recent years, engineers and product designers have increasingly realized something that bees apparently have always known: configuring even a very thin material into a six-sided honeycomb pattern makes it much stronger than it would be in some other shape. The honeycomb pattern is nature's strongest design and is currently used in many areas of the industrial world including communication satellites, military shelters, petroleum tanks, balloons, nuclear reactors, world-wide communications systems, and NASA's space shuttle.

	Mass m ²	Thickness	Warp tear	Weft tear	Warp tensile	Weft tensile	Canopy compression
Standard ZP	45	72	61	62	210	210	62
ZPX	39	65	82	76	210	210	53
	13% lighter	10% thinner	34% stronger	23% stronger	same tensile strength	same tensile strength	17% lower pack volume



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