

Typical Properties of EchoCel® High Rebound

Polymer	Polyurethane		
Physical Property	Test Method	Result (US Units)	Result (Metric Units)
Density	ASTM D3574	17 – 23 pcf	272.3 - 368.4 kg/m ³
Compression Deflection 25%	ASTM D1056	12 – 18 psi	82.7 – 124.1 kPa
Compression Set 50%	ASTM D1056	3% Max	3% Max
Compression Set 50%	ASTM D3574	10% Max	10% Max
25% CFD	ASTM D3574	15 psi	103.4 kPa
Tensile Strength	ASTM D3574	70 psi	482.6 kPa
Elongation	ASTM D3574	130%	130%
Tear Strength	ASTM D624	14lb./in	2.45 kN/m
Resilience	ASTM D2632	55 %	55 %

Characteristics

- **Breathable**
- **Superb Compression Fatigue Properties**
- **Excellent Stress Relaxation Resistance**
- **Low Compression Set**
- **Low Hysteresis Loss**
- **Dimensionally Stable**

Disclaimer: This information is furnished as a guide for selecting materials. Acor Orthopaedic, LLC. makes no warranties, expressed or implied, of merchantability with respect to the goods or that such goods are fit for any particular purpose. It is the customer's responsibility to obtain and test samples when determining suitability of material for a particular application.

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