

## Typical Properties of EchoCel® Impact FIRM

Polymer	Polyurethane		
Physical Property	Test Method	Result (US Units)	Result (Metric Units)
Density	ASTM D3574	15 - 19 pcf	240.2- 304.3 kg/m <sup>3</sup>
Compression Deflection 25%	ASTM D1056	8 -15 psi	55.1-103.4 kPa
Compression Set 50%	ASTM D1056	3% Max	3% Max
Compression Set 50%	ASTM D3574	10% Max	10% Max
25% CFD	ASTM D3574	8 psi	55.1 kPa
Tensile Strength	ASTM D3574	130 psi	896.3 kPa
Elongation	ASTM D3574	125%	125%
Tear Strength	ASTM D624	16.5 lb./in	2.88 kN/m
Resilience	ASTM D2632	13%	
Flammability	FMVSS-302	TBD	
Service Temperature	-40 to 250 F		

### Characteristics

- **Breathable**
- **Excellent High Temperature Compression Set**
- **Superb Compression Fatigue Properties**
- **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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