

## Typical Properties of EchoCel® Professional

Polymer	EchoCel® Professional Urethane			Compare to PORON®
Physical Property	Test Method	Result (US Units)	Result (Metric Units)	Result (Metric Units)
Density	ASTM D3574	15 – 21 pcf	240.2- 336.4 kg/m <sup>3</sup> =	240-320 kg/m <sup>3</sup>
Compression Deflection 25%	ASTM D1056	12 - 18 psi	82.7 – 124.1 kPa ✓	41-97 kPa
Compression Set 50%	ASTM D1056	3% Max	3% Max	Not published
Compression Set 50%	ASTM D3574	5% Max	5% Max	Not published
25% CFD	ASTM D3574	10.5 psi	72.3 kPa ✓	41-97 kPa
Tensile Strength	ASTM D3574	110 psi	758.4 kPa ✓	448 kPa
Elongation	ASTM D3574	130%	130% ✓	100%
Tear Strength	ASTM D624	14.7 lb./in	2.57 kN/m ✓	0.9 kN/m
Resilience	ASTM D2632	32% ✓		25%
Flammability	FMVSS-302	Pass @ .063" or Thicker		Not published
Service Temperature		-40 to 250 F		Not published

### 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. Poron® comparison data from Rogers Corporation 0315-PDF, Publication #10-017.*

#### ACOR'S FAMILY OF PERFORMANCE URETHANES