

**ECHOCEL® Endure** delivers exceptional high-density strength and impact resistance, even under the most demanding conditions. This advanced cushioning urethane offers superior memory, returning to its original form after every compression. Engineered for repeated heavy use, Endure provides premium contouring and adaptability, with cushioning and shock absorption designed for the most rigorous users. Tested to meet independent cytotoxicity and primary skin irritation standards, EchoCel Endure is safe for use in medical footwear and device applications.

### High Density Strength and Impact Resistance:

- A cushioning material able to withstand the most strenuous use
- High density formula designed for heavy impactors
- Impact resistance to provide exceptional shock deadening
- Shock dispersing property does not return negative energy to the user

### Enduring Performance:

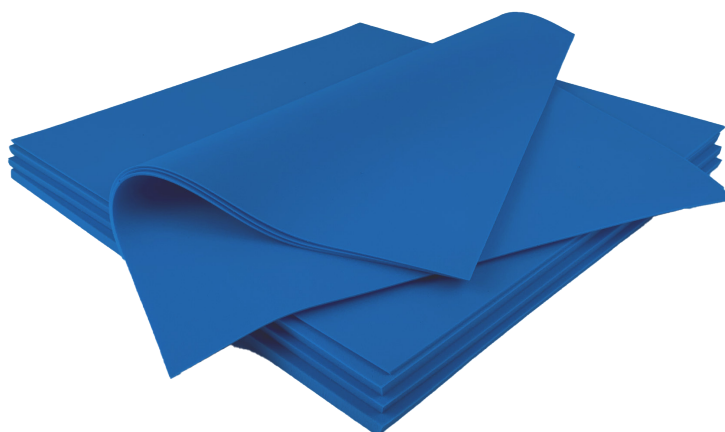
- Prolonged comfort and exceptional resistance to compression set, ensuring longevity even with frequent and repeated heavy use
- Utilizes open-cell, breathable technology

### Available Colors:

- Cobalt (stocked)

## characteristics

- High density
- Impact resistant
- Breathable
- Low compression set
- High stretch
- Dimensionally stable
- Low resiliency
- Exceptional compression fatigue



## typical properties

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		