TECHNICAL DATASHEET:
HYPUR-CEL® I3065L Open Cell Polyurethane Foam

PRODUCT DESCRIPTION

HyPUR-cel® I3065L is an open cell polyurethane foam with a typical density of 30 pcf (26–34 pcf tolerance) and a 25% Compression Deflection of 65 psi (50–80 psi tolerance) per ASTM D1056, making it the firmest grade in the HyPUR-cel® I-series. The "L" designation identifies a low-resiliency, energy-absorbing formulation (16% resilience per ASTM D2632) with fast recovery and low hysteresis loss. The material operates across a service temperature range of -40°F to 250°F and combines high tensile strength (360 psi) and tear strength (34 lb./in) with excellent high-temperature compression set, superb compression fatigue properties, and dimensional stability, making it well suited for energy-absorbing pads, high-load gasketing, and firm support components.

TYPICAL APPLICATIONS

- Energy-absorbing pads and impact protection in industrial equipment
- High-load gasketing and sealing where firm support is required
- Vibration damping and anti-rattle components under heavy loads
- Protective packaging for heavy or sensitive components
- Construction, transportation and industrial cushioning pads

PRODUCT FEATURES & BENEFITS

- Firmest grade in the HyPUR-cel® I-series (65 psi at 25% deflection)
- Low-resiliency "L" formulation absorbs energy with fast recovery and low hysteresis loss
- Excellent high-temperature compression set (0.5% per ASTM D1056)
- Superb compression fatigue properties and dimensional stability
- Breathable open cell structure
- High tensile (360 psi) and tear strength (34 lb./in) for clean die-cutting
- Available with adhesives, laminated fabrics, films and custom coatings

TECHNICAL DATA

TECHNICAL DATA	TYPICAL VALUE	TOLERANCE	TEST METHOD
Density	30 pcf	26 – 34 pcf	ASTM D3574
Compression Deflection 25%	65 psi	50 – 80 psi	ASTM D1056
Compression Set 50%	0.5%	3% max	ASTM D1056
Compression Set 50%	1%	5% max	ASTM D3574
Tensile Strength	360 psi	N/A	ASTM D3574
Elongation	160%	N/A	ASTM D3574
Tear Strength	34 lb./in	N/A	ASTM D624
Resilience	16%	N/A	ASTM D2632
Service Temperature	-40°F to 250°F	—	—

Notes:

Provisional typical properties as published by Rubberlite Inc. (property sheet issue date 11/6/24). Values are typical and are not to be used as acceptance or rejection criteria. No flammability rating is listed on the current manufacturer sheet.

Availability: Standard 60" (1.52 m) wide rolls in 50 ft (15.24 m) and 100 ft (30.48 m) lengths, skived to custom thicknesses. Available with adhesives, laminated fabrics, films, custom coatings or composites. Various color options with custom color matching using fully reacted colorants. Other additives, such as anti-microbial and flame retardants, are available depending upon volume.

Source: Rubberlite Inc. HyPUR-cel® I3065L property sheet, issue date 11/6/24. HyPUR-cel® is a registered trademark of Rubberlite Inc.

Specifications are believed to be accurate at the time of publication and are subject to change without notice. It is the responsibility of the end-user to test and determine suitability of this material for a particular application. H-O will provide samples for this purpose at no charge. **REV. 0**