

# Levation™ Bio50 Plush Poured PU 0.29D

INTERNAL CODE: F92

INSITE® Levation™ Bio50 Plush Poured PU insole foam provides effortless rebound and extra soft cushioning for luxurious, refreshing underfoot comfort. Made with industry-leading 50% Susterra® biomaterial for plant-based sustainability and performance. Poured PU foams are made for shock absorption and a durable compression set, ideal for 3D shape retention and long-term wear.



## Applications

- 3D molded insole** | Contoura®, ArchRelief™, Custom
- 3D molded drop-in midsole** | Contoura®, Custom
- 2D molded insole**
- Dual density insole** | Bottom layer

## Specs

|                  |                              |                                                                    |
|------------------|------------------------------|--------------------------------------------------------------------|
| Hardness         | 23 Asker C ± 4               | ASTM D2240-15e1, 23-2°C, 50+5% RH                                  |
| Density          | 0.3 g/cm <sup>3</sup> ± 0.02 | ASTM D3574-17, Test A                                              |
| Tensile Strength | ≥ 6 kg/cm <sup>2</sup>       | ASTM D3574-17, Test E, 500+50mm/min                                |
| Elongation       | ≥ 300 %                      | ASTM D3574-17, Test E, Extensometer, 500+50mm/min                  |
| Tear Strength    | ≥ 0.6 kg/cm                  | ASTM D374-17, Test F                                               |
| Resilience       | ≥ 45 %                       | ASTM D3574-17, Test H                                              |
| Compression Set  | ≤ 5 %                        | ASTM D3574-17, Test D, 23°C x 22 hours, deflected to 50% thickness |

Get the best out of your cushioning with additional **ProvenComfort®** biomechanics testing, conducted at the **INSITE Research & Design Lab** in Los Angeles, CA.