

EMPOWERING MOVEMENT

One TPU Platform.

Infinite Possibilities in Midsole & Beyond.

 **BASF**
We create chemistry

Infinergy®

Infinergy® Brand: One TPU midsole platform & beyond

Since 2013, Infinergy® has redefined the running shoe market with the breakthrough E-TPU beads — powering exceptional energy return, responsive cushioning, next-level comfort, and lasting durability.

Today, Infinergy® has evolved beyond a single material into a full-spectrum midsole platform for footwear brands worldwide. By incorporating both E-TPU and TPU solutions for midsoles, the expanded Infinergy® portfolio offers one of the broadest selections of high-performance materials in the market, enabling brands to address diverse design, performance, and application needs with greater flexibility.



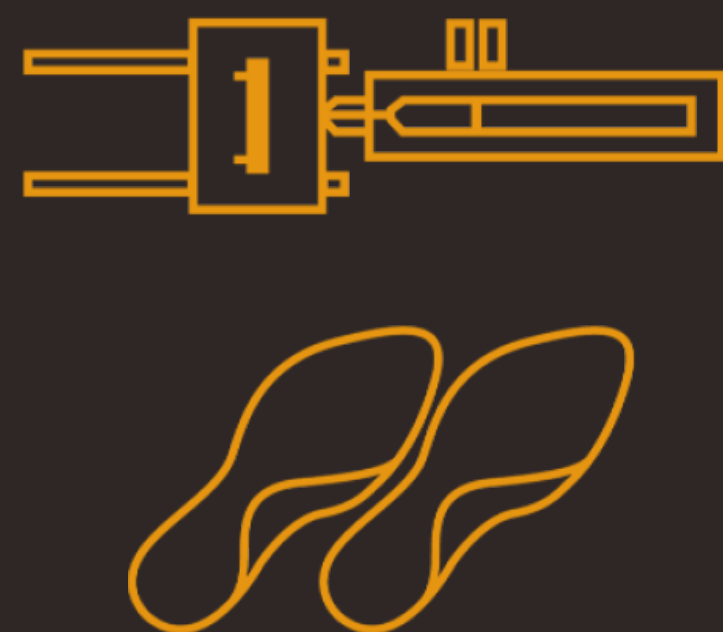


Supercritical Fluid (SCF) Direct Injection-foamed TPU, autoclave-foamed TPU, and bead-foamed E-TPU, Infinergy® gives you a toolkit to create your own performance cushioning DNA — tailored to different production processes, design ambitions, and product visions.

With its expanded midsole platform, Infinergy® helps footwear brands tailor versatile performance across comfort, athletic, lifestyle, and safety applications, while extending its lightweight cushioning, energy return, and durability beyond footwear into products such as tennis rackets, pet toys, and more.

**Infinergy® is
empowering
movement — across
every step, every style**

Processing & Recommended Grades



Supercritical Fluid Injection

Aromatic

- Infinergy® SP 9552

Aliphatic

- Infinergy® SP 9631



Autoclave

Aromatic

- Infinergy® 1180A

Aliphatic

- Infinergy® A790A, Infinergy® A1190A



Advanced bead foaming Precursor

Aromatic:

- Infinergy® 1180A

Aliphatic:

- Infinergy® A790A
- Infinergy® A1190A

eParticle

Aromatic:

- Infinergy® 240MP
- Infinergy® 241MP

Infinergy® Across Major Footwear Categories & Beyond



1 PERFORMANCE RUNNING

Innovation & Technology to Break Record

- Infinergy for Autoclave Part & Sheet

2 ATHLETIC

Ensure Durability with Good Performance

- Infinergy for Autoclave Part & Sheet
- Infinergy for E-TPU Bead Foaming
- Infinergy for SCF Injection Foaming

3 ATHLEISURE & OTHERS

Comfort & Cushioning

- Infinergy 240 for Steamchest Molding
- Infinergy Revolution for Heatpress
- Infinergy for SCF Injection Foaming

Empowering every push, pedal, bounce, and stride



4 OTHER APPLICATIONS BEYOND FOOTWEAR

Comfort, Damping & Response

- Infinergy® for All Purposes

Meet the Infinergy® Portfolio:

Performance & Athletic

Features	Infinergy A790A (Aliphatic)		Infinergy A1190A (Aliphatic)		Infinergy SP9631 (Aliphatic)
	E-TPU Steamchest	Autoclave	E-TPU Steamchest	Autoclave	SCF Injection
Midsole Density [g/L]	110 – 140	80 – 110	120 – 150	80 – 110	120 – 150
Asker [C]	35~40	36~40	45	48~52	45
Rebound [%] (Pendulum)	>75	>75	>75	>75	>70
Split Tear (kg/cm)	4.5	4.5	3.5	3.0	4.0
Compression Set (50%, 50°C, 24hrs)	28	18	28	12	40
Sustainable Options	Bio Based Recycled content*	Bio Based Recycled content	Mass Balance Recycled content	Mass Balance Recycled content	

CO₂ reduction (Mass Balance), Renewable Content (Bio-based) Up to 50%

Recycled Content*: Up to 50% (project basis, depending on feedstock availability)

Meet the Infinergy® Portfolio:

Athleisure, Lifestyle & Beyond (e.g. Toys, Stroller tires, Saddles, etc)

Features	Infinergy SP9552 (Aromatic)	Infinergy SP9631 (Aliphatic)	Infinergy 1180A (Aromatic)	Infinergy 240 / 240MP (Aromatic)	Infinergy 241 / 241MP (Aromatic)
	SCF Injection	SCF Injection	E-TPU Steamchest	E-TPU Steamchest	E-TPU Heat Press
Midsole Density [g/L]	170 – 200	120 – 150	180 – 220	160 – 190	170 – 200
Asker [C]	45	45	40~50	35	35~42
Rebound [%] (Pendulum)	>55	>70	>65	>70	>65
Sustainable Options	Mass Balance Bio Based Recycle content*		Mass Balance Bio Based Recycle content	Mass Balance Bio Based Recycle content	Mass Balance Bio Based Recycle content

CO₂ reduction (Mass Balance), Renewable Content (Bio-based) Up to 50%
Recycled Content*: Up to 50% (project basis, depending on feedstock availability)

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Further information on Infinergy® can be found on the Internet: infinergy.basf.com



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www.infinergy.basf.com