

FOOTCORK

EVOLUTION

Material Data Sheet

Material Description

& Properties

**Footcork® Evolution** is a thermoformable material that enhances foot comfort by providing excellent shock absorption, cushioning and higher breathability. The agglomerated cork and recycled EVA deliver exclusive attributes, such as easy handling, great adaptability to manufacturing processes and good compression/recovery that enables the material to perfectly adapt to the anatomy of the foot. Use of cork guarantees optimal pressure distribution while simultaneously allowing the foot to breathe and controlling foot temperature.

HARDNESS, SHORE A <sup>(1)</sup>	20-50
DENSITY (KG/M3) <sup>(2)</sup>	230-350
TENSILE STRENGTH (KPa) <sup>(3)</sup>	>0,5
COMPRESSIBILITY AT 0.7 MPa (%) <sup>(4)</sup>	30-60
RECOVERY (%) <sup>(5)</sup>	>75

<sup>(1)</sup> ASTM D2240 <sup>(2)</sup> ASTM F1315 <sup>(3)</sup> ASTM F152 <sup>(4)</sup> E <sup>(5)</sup> ASTM F36  
\* Min. values

BINDER	COLOR	CORK GRANULE SIZE
Polyurethane	Brown with diverse colors of EVA	0.5/2mm

Key Features

- Made with recyclable materials (EVA)
- Higher breathability
- Excellent shock absorption
- Cushioning
- Adapts to the foot anatomy
- Low Compressive (recovery properties provide remarkable performance in terms of comfort)
- Low weight
- Thermoformable



**Negative Carbon Balance**  
Footcork® Evolution has a negative carbon balance of -8,2 kg CO<sub>2</sub>/m<sup>2</sup>\*, when considering the CO<sub>2</sub> sequestration of the cork oak forest and the CO<sub>2</sub> emissions associated with the industrial process.

- Emits up to 6 times less GHG than average PU foams
- Consumes up to 3 times less energy than average PVC materials
- Consumes up to 8 times less resources than average EVA foams

\* According to EY 5154 Evolution Carbon Footprint Analysis, 2020

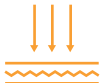
Walking comfort



Excellent ground insulation



Good resilience and moldability



Extremely light and buoyant



100% natural cork with other reusable and recycle materials



Shock absorption



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