

## 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

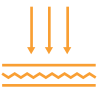
### Walking comfort



### Excellent ground insulation



### Good resilience and moldability



### Extremely light and buoyant



### 100% natural cork with other reusable and recycle materials



### Shock absorption



The data provided in this Material Data Sheet represents typical values. This information is not intended to be used as a purchasing specification and does not imply suitability for use in a specific application. Failure to select the proper sealing product may result in either product damage or personal injury. Please contact Amorim Cork Composites regarding recommendations for specific applications. Amorim Cork Composites expressly disclaims all warranties, including any implied warranties or merchantability or of fitness for a particular purpose. Amorim Cork Composites is not liable for any indirect, special, incidental, consequential, or punitive damages as a result of using the information listed in this material data sheet, any of its brochures, its products or any future use or re-use of them by any person or entity. For contractual purposes, please request our Product Specifications Sheet (PDA).

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