

g-sole MED C45

MED
C45

Specifications



Material mixed-cell PU elastomer (polyurethane)
Colour black

PLATES:

Standard delivery dimension

Thickness: 2 to 6 mm, 18 mm
Sheets: 1370 x 1200 mm

XL-REELS:

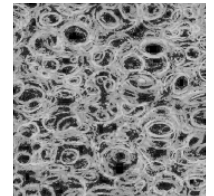
Standard delivery dimension

Thickness: 2 to 6 mm, 18 mm
Width: 1370 mm
Length: depending on thickness

Other dimensions on request.



Skin friendly



Cellstructure

Material properties	Test methods ¹	Value	Comment
Density (Mean)	ASTM D3574 Test A	23 lb/ft ³ 360 kg/m ³	
Compression set ²	ASTM D3574 Test D	< 4 %	@ 50 % compression, 23°C (73.4°F), 72 h
Compression Force Deflection ²	ASTM D3574 Test C	15 psi 100 kPa	@ 25 % compression
Min. tensile stress at rupture	ASTM D3574 Test E	102 psi 700 kPa	
Min. tensile elongation at rupture	ASTM D3574 Test E	140 %	
Min. tear strength	ASTM D624 Test C	18.9 lbf/in 3.3 kN/m	
Loss factor	DIN 53513	0.47	
Rebound elasticity	ISO 8307	15 %	
Water absorption	ASTM D1056	175 %	
Operating temperature		-30 to 70°C -22 to 158°F	Short time higher temperature possible
Chemical resistance			There is an extra data sheet Chemical Resistance available.

¹ Tests according to respective standards

² The measurement is performed on a density-dependent basis with differing test parameters

All information and data is based on our current knowledge. The data can be applied for calculations and as guidelines, are subject to typical manufacturing tolerances and are not guaranteed. Material properties as well as their tolerances can vary depending on type of application or use and are available from Getzner on request. Further information can be found in VDI Guideline 2062 (Association of German Engineers) as well as in glossary. Further characteristic values on request. We reserve the right to amend the data. DB g-sole MED C45 en © Copyright by Getzner Werkstoffe GmbH | 02-2023

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RECENT



Damping and Dynamics - perfectly matching

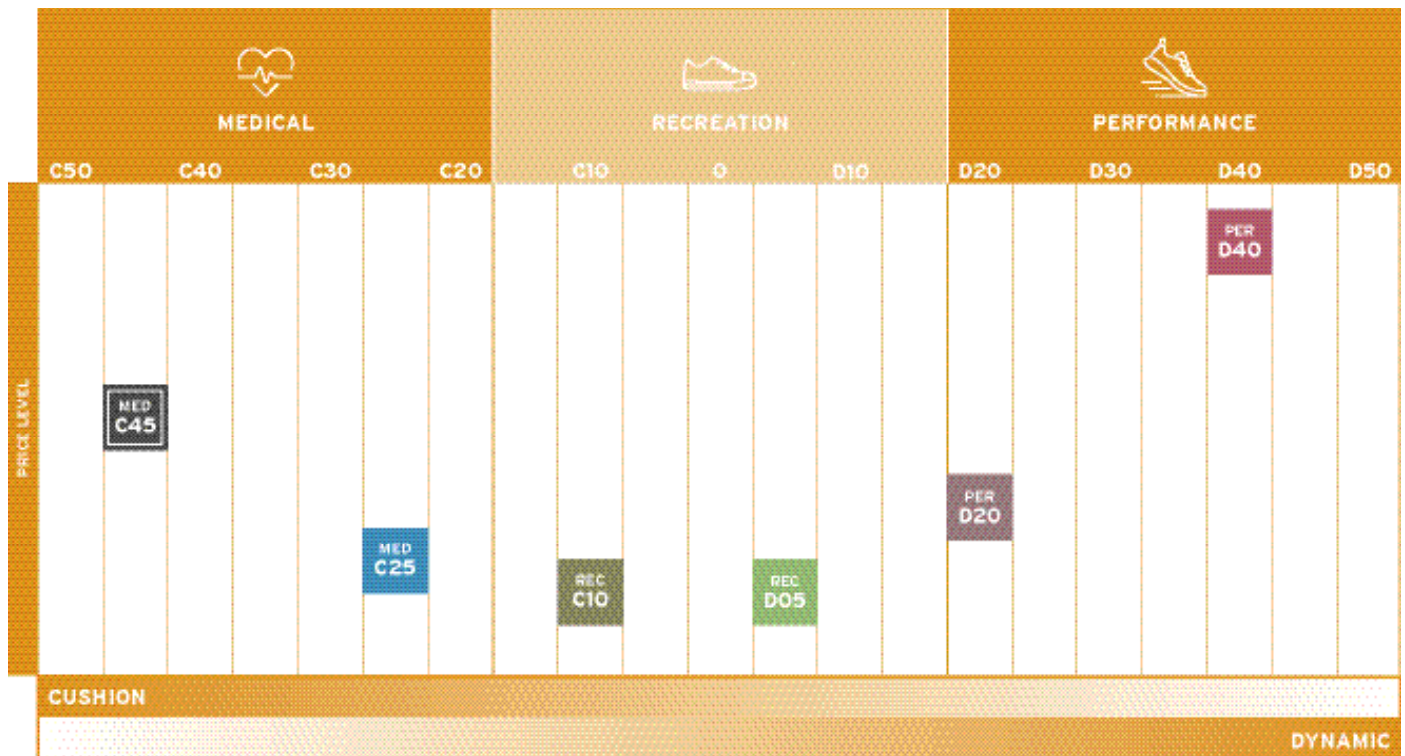
g-sole is the new material for medical, recreational and performance insoles and midsoles. It's available in a variety of standard densities, thicknesses and colour options. g-sole provides long-term performance and individually adapted shock absorption in a highly durable material.

All g-soles materials are produced in an environmentally friendly way.



Advantages and benefits

- Excellent shock absorbency
- Long-term excellent compression-set resistance
- Long lasting support



About Getzner

Elasticity is needed when it comes to comfort. Getzner Werkstoffe has more than 50 years of experience in the development of elastomers and offers sustainable solutions for vibration- and shock-related challenges - in industrial precision applications, in the railway sector and in construction. Our materials are long-term proven, performance tested and manufactured in Europe at our headquarters in Bürs, Austria.