Röchling

Industrial

Maywoflamm® ECE lightweight

ABS

Engineered for lightweight construction.

Maywoflamm® ABS ECE lightweight is a closed-cell foamed ABS material for applications where low weight and high mechanical stability are essential. With a density of 0.92 g/cm^3, it is more than 20% lighter than comparable compact ABS sheets, enabling material savings and easier handling. The material combines low weight with high rigidity, toughness, and strength, making it ideal for weight-optimized components in tansportation and bus construction. It also meets the fire protection of ECE 118, Annexes 6, 7 and 8.

Operating in the following industries

Vacuum Forming

Vehicle Construction

Extended characteristics

Lightweight design

More than 20% lighter than comparable compact ABS sheets, enabling weight reduction and material savings.

Fire protection according to ECE 118

It is specifically designed to meet the fire protection requirements of ECE 118, Annexes 6, 7 and 8.

Sustainable product option

An RC version with up to 90% recycled material supports circular economy and resource conservation.

Good mechanical properties

Combines toughness, high rigidity, and strength for mechanically stable lightweight components.

Easy further processing

Reduced weight supports easier handling, with good thermoforming behavior comparable to solid ABS.

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With Maywoflamm ABS ECE Lightweight, Röchling Industrial provides an innovative lightweight solution for the transportation and bus industry, combining reduced weight with outstanding performance.

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Application examples

Bus: Driver's Cab Interior Trim

Our product variants of Maywoflamm® ECE lightweight

For more information about technical data, product handling, certifications, compliance or delivery program scan the QR-Code and visit our website or talk to our experts.

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