



High Stiffness Solution Makrolon®

Innovative material solution for Notebooks
and beyond in Electronics & Electrical



Makrolon® High Stiffness Series

Higher Stiffness, Higher Performance



Ensure **high mechanical performance and dimension stability**



PCR version available to meet EPEAT requirements and achieve **CO₂ reduction**



Good signal transmittance to compile with advanced connectivity technology



Good surface performance and colorability to achieve light color without compromising on mechanical performance



Environmentally friendly pellets with less dust through unique under-water production



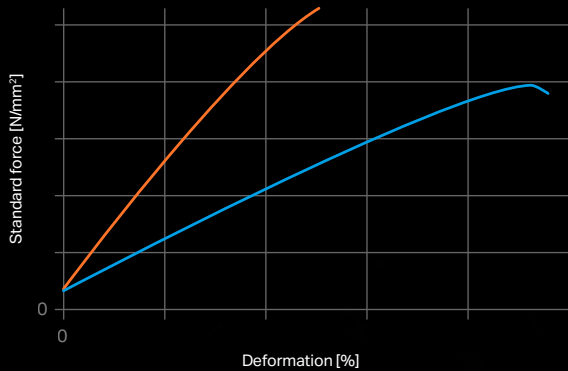
Makrolon®

High Stiffness Series

Ensure excellent surface appearance while offer high flowability, meeting the needs of premium design

Three-Point Bending Test Results Comparison

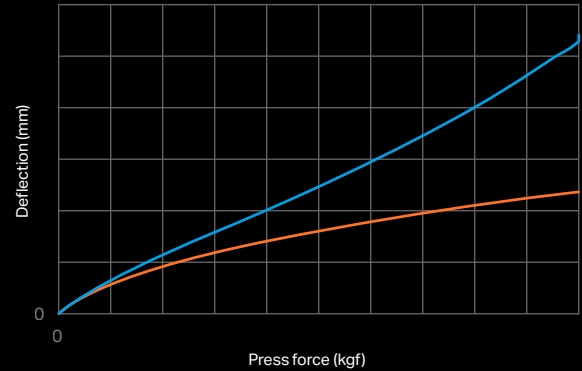
— Makrolon® High-Stiffness Material — Traditional Reinforced Material



The bending strength of the weld line in Makrolon® high-stiffness material is about 1.4 times that of traditional reinforced materials

Pogo Test Results Comparison

— Makrolon® High-Stiffness Material — Traditional Reinforced Material

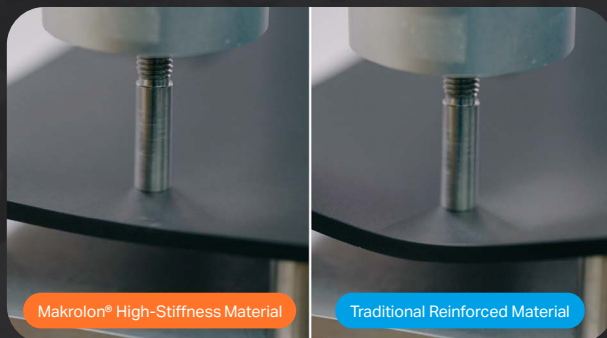
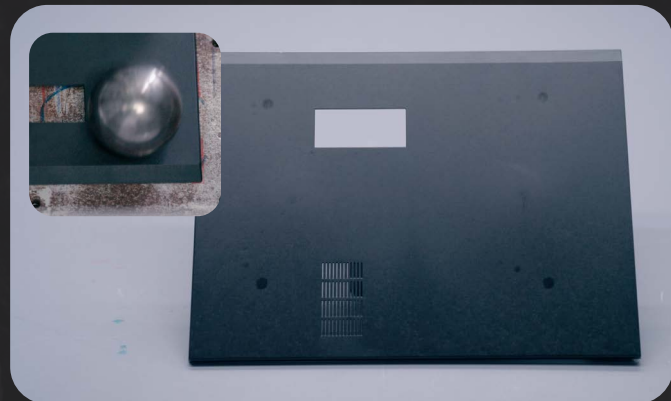


The deformation of Makrolon® high-stiffness material is only about 45% of traditional reinforced materials when under 10kg of force

Ball-drop Test

A 500g metal ball impacts the notebook part in free fall at 1 meter height

The part shows no cracking, and the dent at the impact area is barely noticeable



Pogo Test

The deformation of the High-Stiffness Makrolon® is minimal

Elevate Your Success With Differentiated Solutions and Customized Values

Premium glass and carbon fiber reinforced solution to achieve thinner, lighter and stronger through superior mechanical properties

Unique solution with CMF expertise to inspire your next idea and unleash the design possibilities



High Performance



Design Inspiration



CE Contribution



Application Expertise

Strong sustainable solution to achieve the next level circularity with low carbon footprint and distinguish your products with differentiation

Total solution beyond material to succeed your application development from beginning to the end

Learn more about
Covestro High-stiffness
Material Solutions

Please contact us





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