



KCL Formi[®] Pro

KCL Formi[®] Pro is a high-performance cellulose fiber-reinforced compound for injection moulding. It combines the processing ease of thermoplastics with the strength and sustainability of natural fibers. Versatile across consumer goods, automotive interiors, acoustics, and industrial components, it works seamlessly on standard equipment without special tooling—delivering an efficient, scalable solution from prototypes to full production.

KCL Formi® Pro – Performance Meets Sustainability



High stiffness and strength – up to 50% fiber reinforcement

Reduced cycle times – faster cooling, improved productivity

Excellent surface quality – paintable, dyeable and tactile

Sustainable solution – bio-based content, recyclable

Non-abrasive – gentle on tools, extending mold and equipment life

Superior acoustic performance – ideal for products requiring sound dampening properties

Low heat capacity and conductivity – supports thermal insulation properties in user-contact areas

Technical Data Snapshot

Grade	Fiber Content (%)	Density, g/cm3	Tensile strength, MPa	Tensile modulus, MPa
KCL Formi® Pro PPH30	30	1,03	55	3500
KCL Formi® Pro PPH40	40	1,08	62	4600
KCL Formi® Pro PPH50	50	1,13	66	5500
KCL Formi® Pro PPC30	30	1,03	48	2800
KCL Formi® Pro PPC40	40	1,08	57	3700
KCL Formi® Pro PPC50	50	1,13	62	5100
KCL Formi® Pro PLA10	10	1,21	50	4000

KCL - Your Partner in Biocomposites

At our facility in Lohja, Finland, we combine advanced compounding technology with proven expertise to deliver consistent performance. With KCL, you get more than materials: we can partner with you through contract manufacturing, tailored formulations, and R&D support from first ideas to full-scale production.

Contact us today to discuss your project

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Full TDS



About us

