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## TELENE® PDCPD AS A MATRIX FOR COMPOSITES: LEADING RESEARCH INSTITUTE VALIDATES SUPERIOR IMPACT AND FATIGUE RESISTANCE OF TELENE

**BONDUES, FRANCE (Nov. 24, 2015)** – An impact-resistance and fatigue-testing study has found that Telene, a thermoset polydicyclopentadiene (PDCPD) used as a matrix in a glass fiber composite, demonstrated exceptional impact strength and fatigue resistance for products subject to high stress factors.

The study, released by the Department of Materials Engineering at the University of Leuven – renowned worldwide for its expertise in research, development and testing of advanced-composite technology – found that Telene exhibited fifty percent greater resistance in impact testing and four times longer life in fatigue testing than epoxy samples did, while maintaining the same overall tensile strength.

The study compared Telene alongside an equivalent epoxy composite commonly used in the laminate process.

While the epoxy-based laminates used with glass fibers exhibited revealed early local damage and loss of mechanical properties, Telene retained its mechanical characteristics throughout the extended testing protocol.

An abstract and the [full study](#) are available from Science Direct.

### ABOUT THE STUDY

*K. Vallons, R. Drozdak, M. Charret, S. V. Lomov, I. Verpoest; Composites: Part A 78 (2015) 191–200*  
[Doi:10.1016/j.compositesa.2015.08.016](https://doi.org/10.1016/j.compositesa.2015.08.016)

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### ABOUT TELENE SAS

Telene SAS, a Rimtec Corp. company, develops and distributes Telene, a dicyclopentadiene (DCPD)-formulated resins systems resulting in a high-performance polymer. Its conversion processes and properties allow the formation of large, complex design parts resistant to hostile environments and cost-effective for small to medium series. Telene SAS headquarters, research-and-development center and sales office for Europe, the Middle East and Africa are located in Bondues, France. [For more information, visit www.telene.com.](http://www.telene.com)