

## Vitrimers : from polymer design to industrial applications



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Vitrimers are now commonly considered as the third class of polymer materials alongside thermoplastics and thermosets. At service temperature, vitrimers behave like traditional thermosets, with good mechanical characteristics but can be recycled, reshaped at high temperature similarly to glass. This discovery opens new green perspectives such as crack repairing, correction of moulding defects and depolymerisation/recycling using soft conditions. Nonetheless, the transfer from academia toward industry is not straightforward and require extensive collaborative efforts from scientists and engineers in chemistry, materials science and engineering.

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