The RENUVA™ Mattress Recycling Program

Turning Waste to Value

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Why are mattresses causing some to lose sleep?

Every year, around **30 million** mattresses* are thrown away in Europe.

If they were all stacked up, the pile would be **678 times** the height of Mount Everest**.

*AN OVERVIEW OF POSSIBLE END OF LIFE SOLUTIONS, Europur, 2017
**Assuming an average mattress height of 20 cm. Height of Mount Everest is 8848 m
What can we do as a Polyurethane business?

Unlock polyurethanes’ full sustainability potential by addressing sustainability along the whole product lifecycle.
RENUVA™ Program:

Closing the mattress loop

Dow circular economy program recycles end-of-life polyurethane products in collaboration with the value chain.

Chemical recycling converts polymeric waste materials by changing its structure into substances or mixtures that are capable to be used as raw materials to produce new products, excluding energy recovery.
RENUVA™ Makes Mattress Recycling at Scale a Reality
RENUVA™ Program Benefits

• Addresses the current waste issue
• Polyurethanes are recyclable
• CO$_2$ emissions reductions
• Collaboration along the whole value chain
• Policymakers can help speed up the transition to circularity
Thank you

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