

# HiDURA™ ThermaPlus

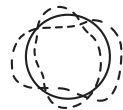
## High-temperature, high-ductile PA46 replacement

Ascend's proprietary heat-stabilization technology delivers exceptional PA66 performance while pushing long-term heat exposure up to 150C. HiDura™ ThermaPlus grades are designed to withstand high temperatures without sacrificing ductility, processability or mechanical properties. ThermaPlus outperforms PA46 making it an ideal material for demanding applications like automotive fasteners.

### Highlights



High property retention after prolonged exposure to temperatures from 120C to 150C



Excellent ductility, even after prolonged exposure



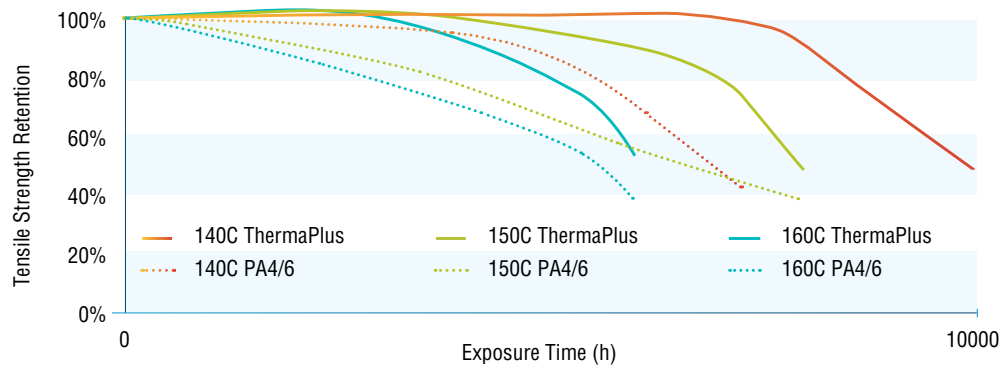
Excellent flow for processing



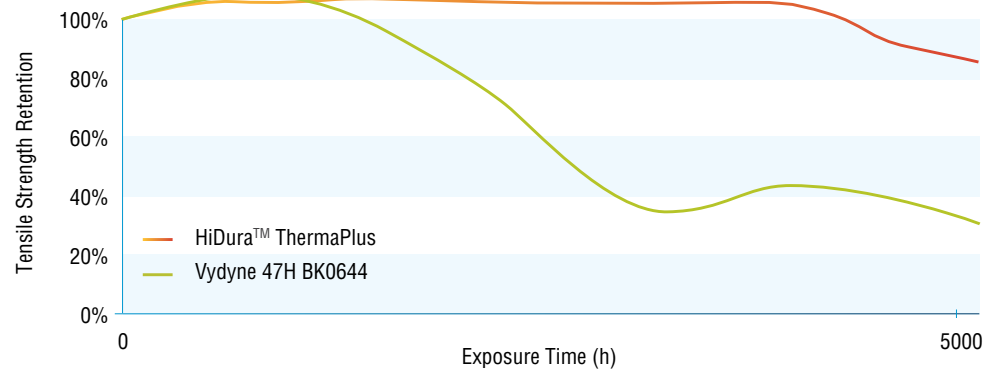
Regrindable and recyclable

## ThermaPlus pushes PA66 beyond PA46

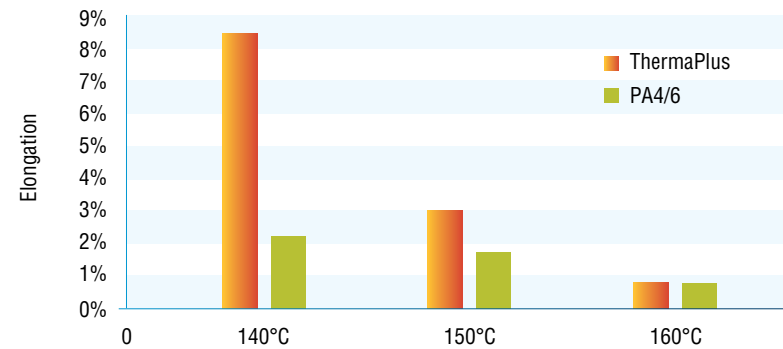
PA46 Long Term Aging Comparison



Standard Impact Modified PA66 Long Term Heat aging Comparison at 150C



Tensile Elongation after 5000h Aging



## Grade

## Description

**24XLR8 NT**

Natural, PA66 for applications up to 150C

**24XLR8 BK**

Black, PA66 for applications up to 150C

[Click here to view technical data sheets](#)

## Applications

- / High-temperature sensor protection housing
- / Automotive cable ties and fasteners
- / High-temperature hose clamps
- / Fir tree ties



**For more information, contact our expert applications specialists or visit [ascendmaterials.com](https://ascendmaterials.com).**

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