

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. Vadyne 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



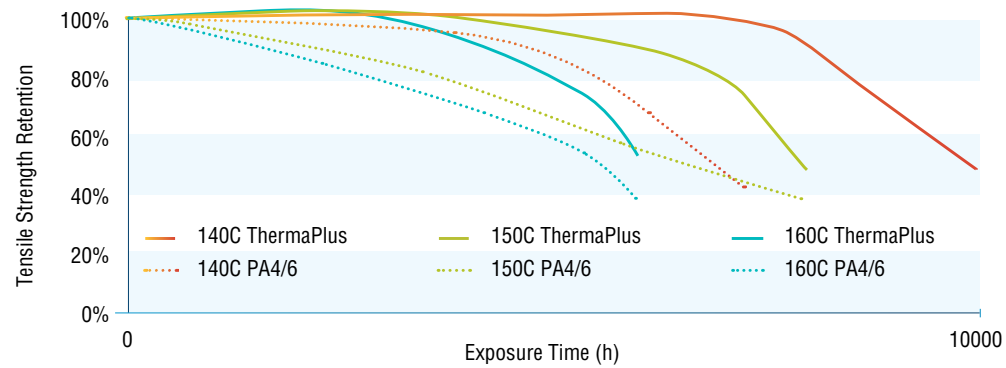
Excellent flow for processing



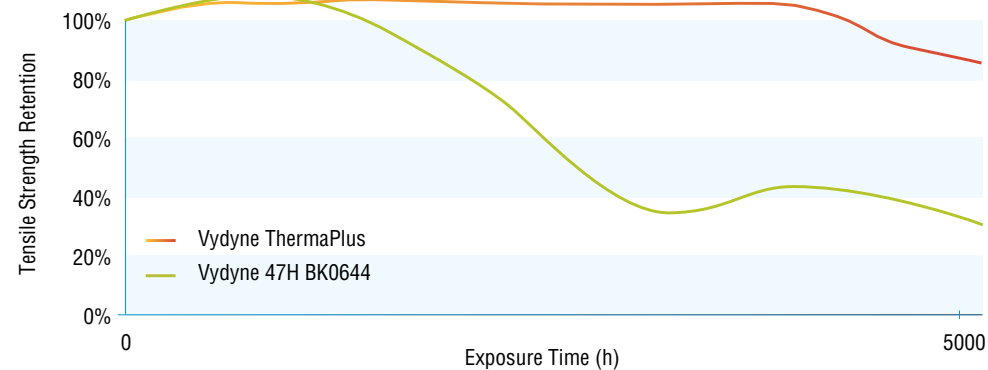
Regrindable and recyclable

ThermaPlus pushes PA66 beyond PA46

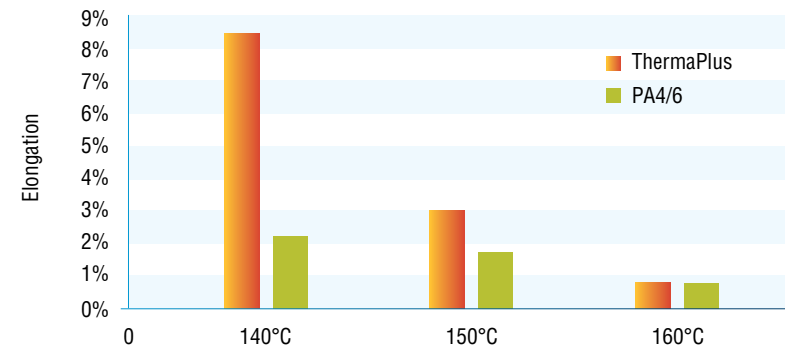
PA46 Long Term Aging Comparison



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.

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