

# A BRIGHT FUTURE FOR YOUR INNOVATIONS

Hallstar is a leading designer and producer of sustainable ester chemistry.

Hallstar's unique chemical modifiers enable our customers to develop their next-generation of high-performance bio-based products.

## HALLGREEN®

These esters are derived from renewable resources, are biodegradable and can match performance of petro-based chemistries in renewable and synthetic resins.

- Help bio-resin producers and compounders reach new markets by expanding the menu of potential bio-polymer applications
- Improve processing by reducing melt viscosity and melt temperature
- Reduce brittleness of polymers and improve impact resistance



HALLSTAR 

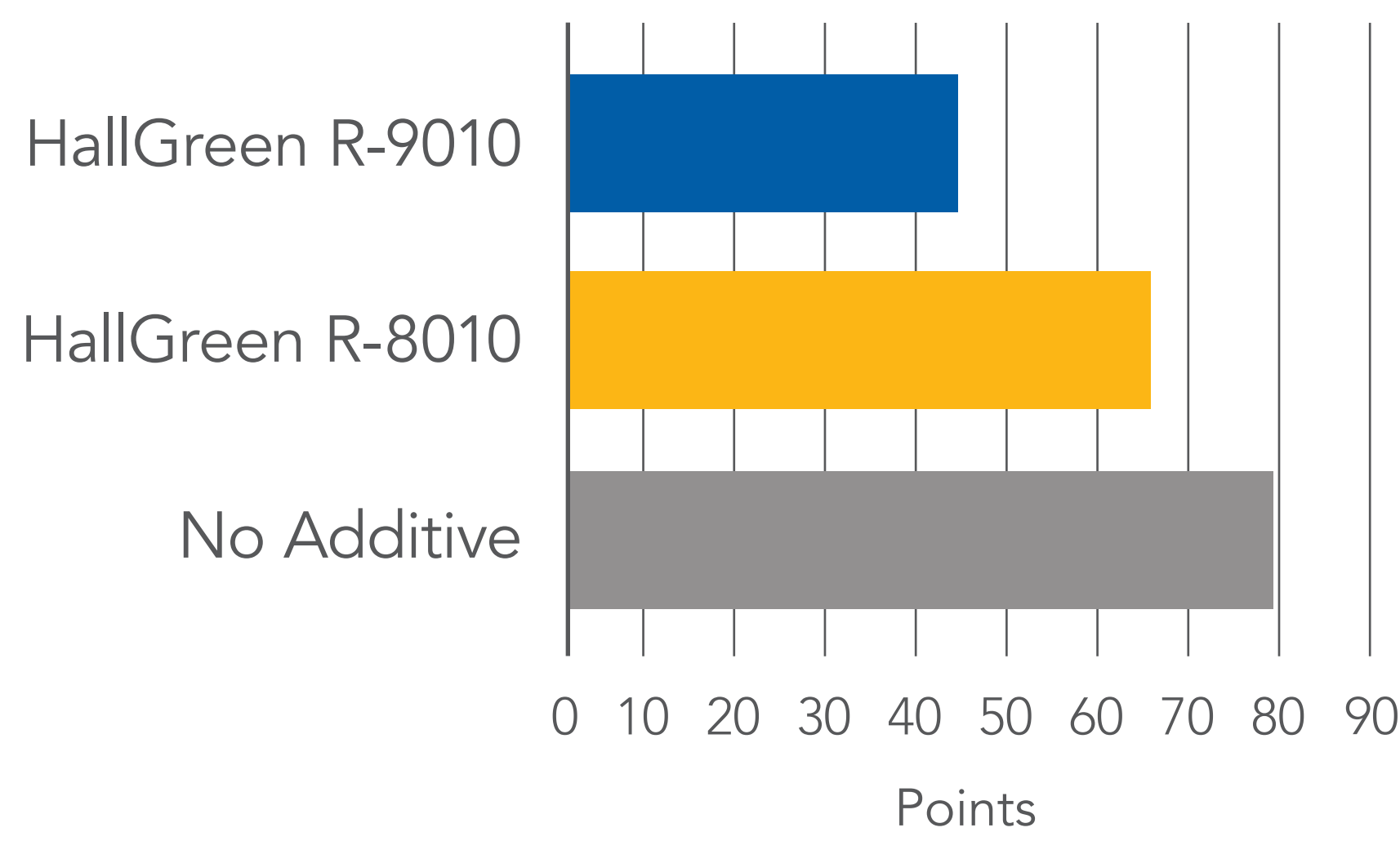


# IMPROVE YOUR PLA PERFORMANCE

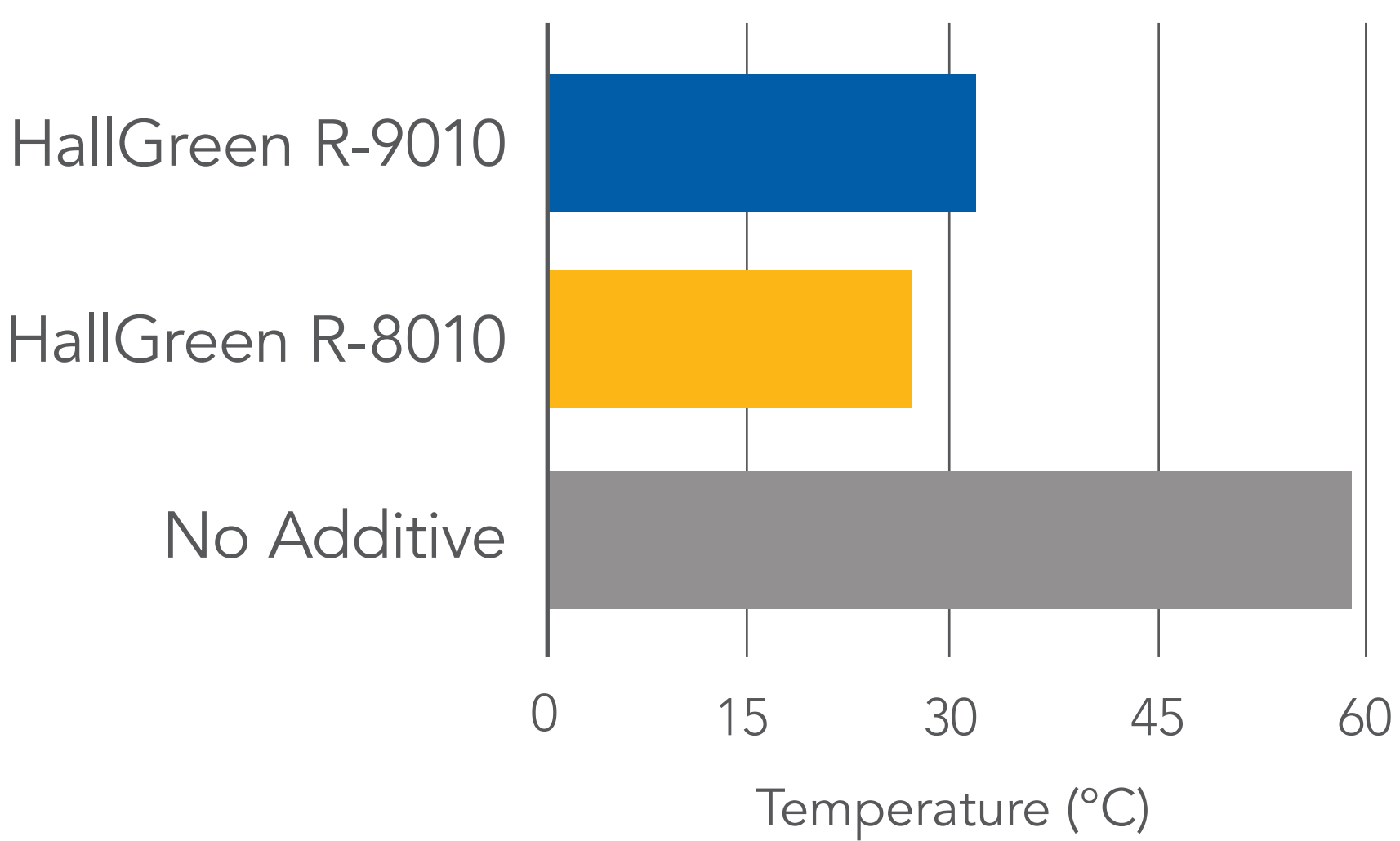
## HallGreen® R-8010

- Biodegradable within 42 days according to ASTM-D5271, ASTM D-6400, EN 13432, ISO 17088
- Patented for use in PLA - #US8158731

### Harness Duro D



### T<sub>g</sub> by DSC (ASTM D3418)



### Elongation at Break

