



**BASF**

We create chemistry

## Irgastab® PUR 70

Anti-scorch package for Polyol and Polyurethane foams to fulfil the latest emission requirements

### The benefits at a glance

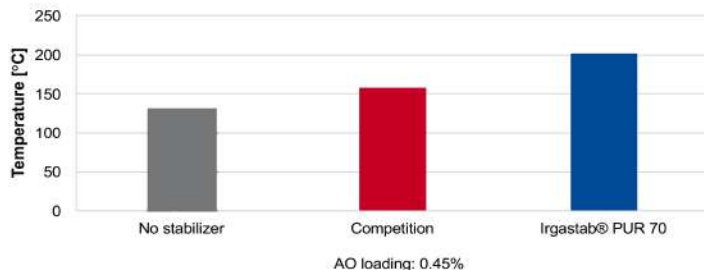
- Good scorch resistance
- Enabler for complying with stricter emission requirements to protect health and safety of consumers
  - Non-amine, non-aromatic solvents package
  - Reduce significantly emissions: VOC and FOG
  - Prevent the generation of aldehyde
- Synergistic blend maximizes performances and loading ratio contributing to enhance perceived quality and cost saving
  - Exceptional resistance to gas fading (NO<sub>x</sub> exposure)
  - Exceptional resistance to light exposure induced discoloration
  - Improved whiteness
- Liquid form enabling easy handling

The quality of air in car interior has been a continuously evolving topic to improve health and safety of car passengers. The automotive industry has given additional emphasis to the volatile component emissions of the final article. As a result, German automotive OEMs have set the most stringent material and final article emissions requirements, with the upgrade of the VDA 278 10/11 further limiting VOC and raising the standard for vehicle interior air pollution (VIAP). Furthermore, in China the regulation GB/T 27630-2011 will soon be adopted into law GB 27630, thus clarifying the requirements of air concentrations of some substances of concern in car interior - including aldehydes.

Both legislation and the automotive industry are clearly increasing the needs for more sustainable materials to be used in car interiors.

## Polyol stability

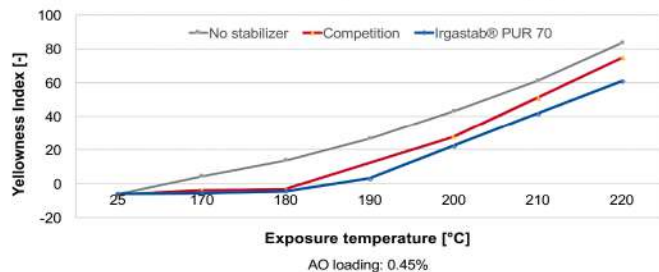
### Polyol auto-oxidation temperature (DSC)



Irgastab® PUR 70 provides superior Polyol stability

## Anti-Scorch resistance

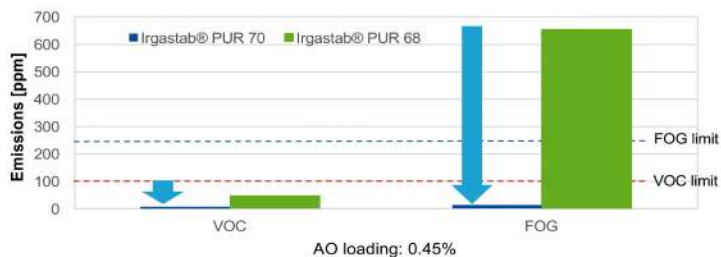
### Flex PU foams discoloration upon scorch test (Dynamic Alublock)



Irgastab® PUR 70 provides good scorch protection

## Emissions

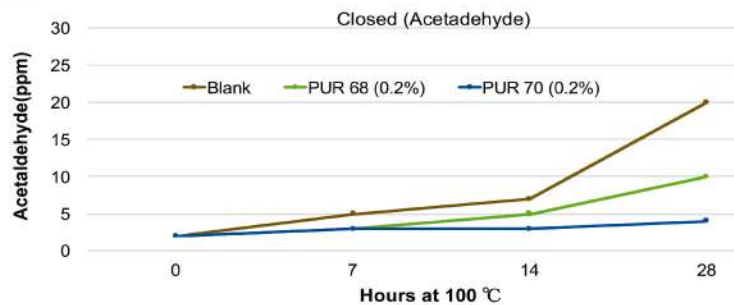
### PU Flex foam stabilized with Irgastab® PUR 68, Irgastab® PUR 70 Emissions from anti-scorch package (VDA 278 10/11)



Irgastab® PUR 70 yields extremely low emissions

## Acetaldehyde control in polyol

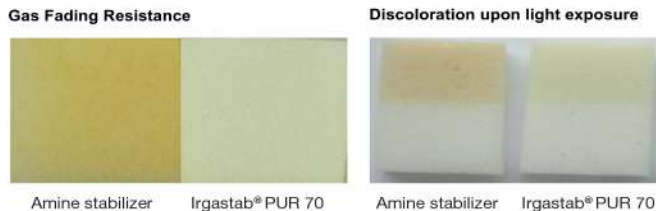
### Acetaldehyde generation in Polyol upon accelerated storage



Irgastab® PUR 70 effectively prevents acetaldehyde generation in polyol

## Resistance to gas fading and light exposure

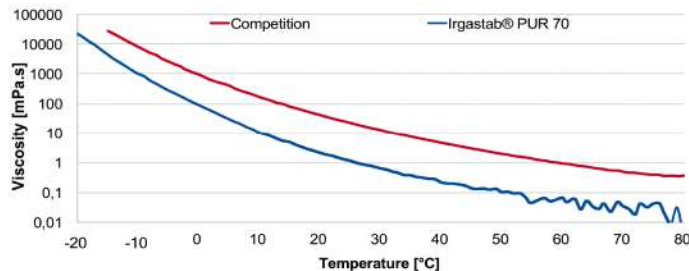
### Gas fading and light exposure test



Irgastab® PUR 70 shows good resistance to gas fading and light exposure

## Viscosity

### Viscosity vs. temperature curves



Irgastab® PUR 70 is an easy-handled liquid

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