

BASF Antioxidant Irgastab® IS 3066 L makes PVC Whiter and more Stable

Easy handling combined with stability for PVC

Feature	Benefit for customers
Good thermal stability for PVC	- Improved processability - Optimized initial color
Color protection	- Longer life time for white applications - Better aesthetic properties
Efficient chain stopping	- Better process control for PVC polymerization - Better quality and more stable performance of PVC
Storage stability and freeze thaw	- easy handling and operation - Guarantee quality consistence of PVC resin - Self-recovery from freezing without the need for blending

Application

- PVC polymerization with FDA requirement

Challenge

- Increasing demanding requirements for PVC polymerization with regards to color retention and thermal stability

BASF solution

- Irgastab® IS 3066 L provides processing improvements, excellent color protection, thermal stability and recovery after freezing

Results

- Long life of end products with PVC
- Fewer pre-work and less processing to improve productivity

Thermostability – Dehydrochlorination test (DHC)

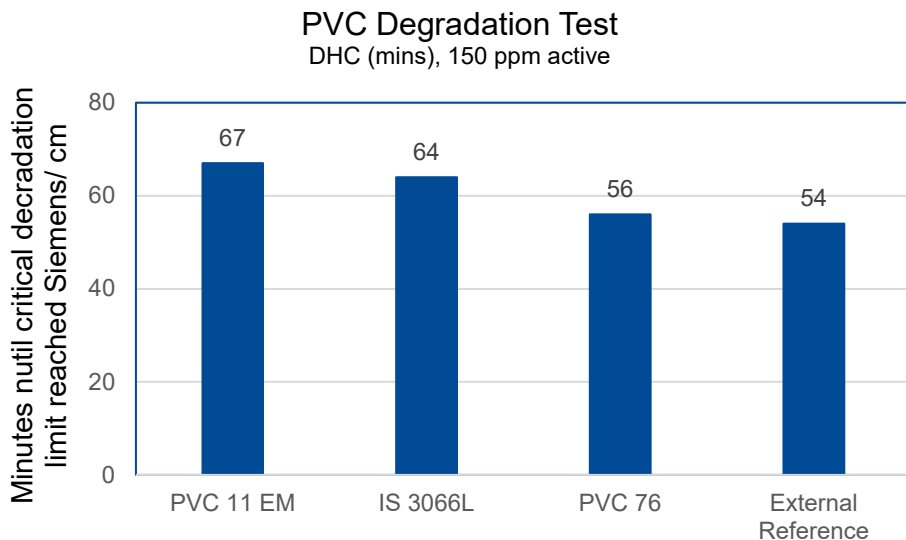


Figure 1: External reference is similar to IS 3066 L. Test data in the chart is the average result of 3 tests under same test condition (temperature: 180C; Air flow: 6.7 l/min). Y-axis: mins, till delta Kappa 200mikro Siemens/cm, threshold of 150

Recovery after freezing (Freeze thaw test)

Irgastab IS 3066 L



External reference (copy IS 3066L)



Figure 2: Visual appearance after recovery from low temperatures (-10 °C, 16hours, then room temperature for 8 hours)

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Note

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