

## PE300 black (Simona product) – outdoor use

Dear Sir or Madam,

Like most natural materials, polyolefins are affected by weather conditions, specifically in combined influence of short-wave UV-radiation due to sunlight in combination with atmospheric oxygen.

PE-300 black is specially stabilized for outdoor use. By the addition of carbon black, an attacked the polymer matrix by he ultraviolet light is effectively prevented. In addition, there are some further stabilizers added to counteract a possible heat aging.

So there is no discoloration or reducing of the mechanical properties caused by light and weathering and so there is nothing which affect the use value in the application. Please note that the lifetime can be reduced if the material is under tension.

Based on these statements, we see no limitation of the service life of PE-300 black for times periods over 10 years.

For different-coloured PE-300 types a relevant influence of weather during extended use or extended storage outdoors is not excluded.

In case we can be of any further assistance, please do no hesitate to contact us again.

Kind regards

A handwritten signature in black ink, appearing to read "Mark Rojahn", written over a light blue horizontal line.

Mark Rojahn

Commercial director

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