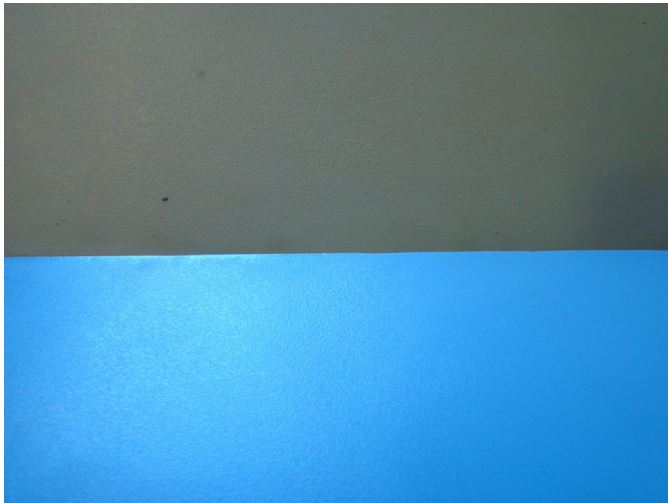


Plastic Parts produced by Injection Moulding versus UV radiation

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Plastic fade under the sunlight (UV light) is a common issue in appliances exposed to the elements. It's been battled for years and chemical additives have been developed to aid this issue. Image to the left represents two [injection moulding](#) plastic samples. Bottom blue part was stored away from sunlight, top sample is the same material but was subject to the sunlight for 36 months. Sample contained maximum amount of UV stabiliser.

After some experimenting, it was found that two reliable colours can be used for injection moulded parts that exposed to prolonged UV light: Black and Silver. One would think, that black colour will absorb maximum amount of sun radiation but despite this fact black is the colour that allow maximum percentage of the UV stabilizer added to the mix during [injection moulding](#). This is due to stabilizers original colour been black as well. That allows a maximum UV protection of the plastic part, and a minimum fade over prolonged exposure to UV.



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