INEOS
Styrolution

LURAN® S 778T XA SPF60

BK909090

- xtra aesthetics
- SPF60 UV protection



Luran® S SPF60 is INEOS Styrolution's new best-in-class UV performance grade for high-gloss & deep black parts, in addition to our existing Luran® S SPF30 offering.







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Key properties



Highest heat resistance within Luran® S portfolio



High surface brilliance and deepest black through xtra aesthetics



Specifically developped for high gloss surfaces



Good impact strength and long-term property retention



Superior UV resistance & colour fastness due to SPF60 package



Lightweight, suitable for a wide range of applications and can lead to considerable weight savings

INEOS Styrolution

Two powerful packages

Resulting in the deepest black and most UV-stable Luran® S

SPF 60

- Best in class UV protection
- Improved gloss retention
- Designed for high gloss surfaces
- Enhanced colour fastness
- Less greying

Can also be applied as a single package to improve other Luran® S grades and colours

xtra aesthetics

- Brilliant surface appearance
- Deepest black within Luran® S portfolio
- Reduced haze

Best choice for a wide range of exterior applications

Construction

- Heat pumps
- Railings and fences
- Roof tiles
- Gutters
- Photovoltaic cells
- Hot tubs
- Window spacers, frames & profiles
- Auto mowers

Mobility

- Front grilles
- Light trims
- Spoilers
- Pillars
- Side view mirrors
- Wall boxes
- Truck cabin panels
- Campervans

These applications for construction and mobility are just a few selected examples.

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INEOS-Styrolution.com

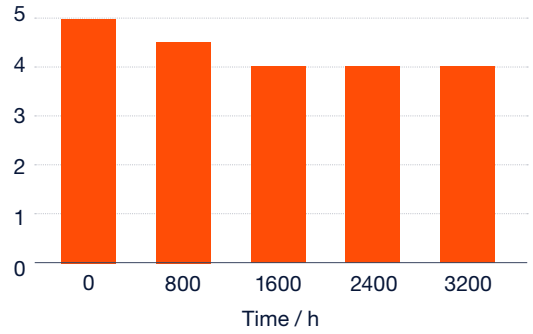
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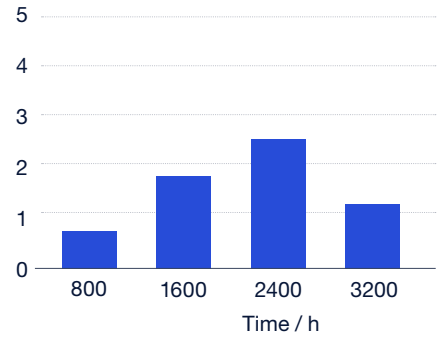
Colour tests

Basic recipe	Test standard	Surface
Luran® S 778T XA SPF60 BK909090	ISO4892- 2A (Florida test)	High gloss

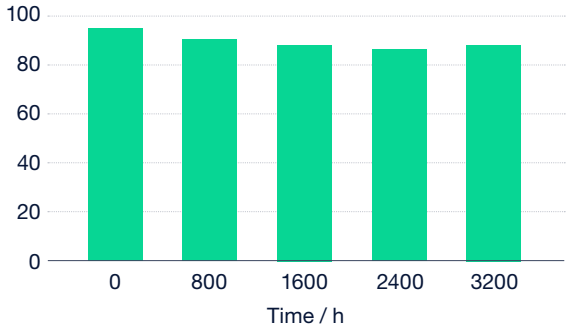
Grey scale



Colour shift – dE



Gloss – 60°



Technical data – Luran® S 778T XA SPF60
BK909090

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm^3/10 min	5
Mechanical Properties			
Charpy Notched Impact Strength, 23°C	ISO 179/1eA	kJ/m^2	15
Charpy Notched Impact Strength, -30 °C	ISO 179/1eA	kJ/m^2	4
Tensile Modulus	ISO 527	MPa	2500
Tensile Stress at Yield, 23 °C	ISO 527	MPa	52
Tensile Strain at Yield, 23 °C	ISO 527	%	3.4
Nominal Strain at Break, 23 °C	ISO 527	%	8
Thermal Properties			
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°C	103
Thermal Conductivity	ISO 22007-4	W/(m K)	0.17
Coefficient of Linear Thermal Expansion	ISO 11359	10^{-6}/°C	75–105
Other Properties			
Density	ISO 1183	kg/m^3	1070
UL94 rating at 1.5 mm thickness	IEC 60695-11-10	–	HB
Processing			
Melt Temperature Range	ISO 294	°C	240–280
Mould Temperature Range	ISO 294	°C	40–80
Drying Temperature	–	°C	80
Drying Time	–	h	2–4
Linear Mould Shrinkage	ISO 294-4	%	0.4–0.7

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