

LURAN® HH 120 SPF 50

INNOVATE

INEOS
STYROLUTION

Driving Success. Together.

Luran® HH 120 SPF 50

THE BRILLIANT SOLUTION FOR AUTOMOTIVE APPLICATION

Durable high-gloss piano black finish

High-performance Luran HH 120 – an innovative grade based on alpha-methylstyrene acrylonitrile (AMSAN) – combines a deep high gloss and rugged thermal resistance with the high-flow properties with lower processing costs. Due to a significant improvement in UV stability versus standard HH SAN products, Luran HH120 SPF50 is one of the few SAN-based products ever used in automotive and offers promising new opportunities for automotive applications.

The 'piano black' version of this HH SAN further delivers on the high-gloss, jet black tone required by OEMs for interior and exterior automotive parts without the need for painting. This is achieved by combining a specially formulated pigment with the intrinsically transparent material in order to achieve a deep color and multi-dimensional appearance.

APPLICATIONS

Decorative automotive interior and exterior parts:

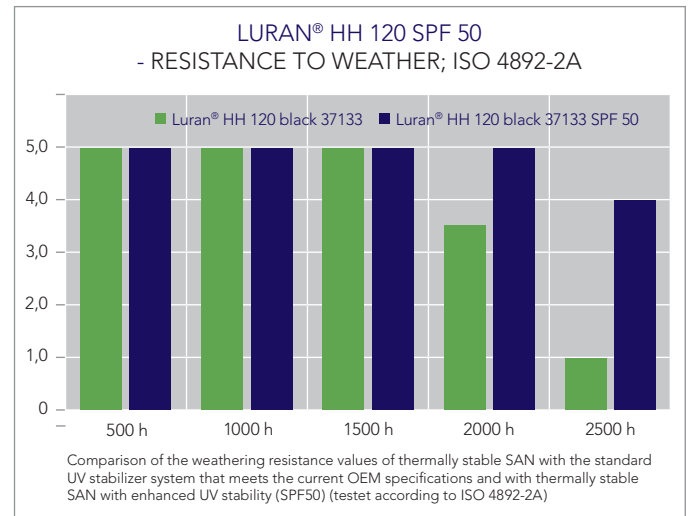
- Exterior automotive parts, such as rearview mirror frames, spoiler parts, antenna covers, decorative covers, exterior trim and A,B,C pillar covers
- Interior automotive parts, including high-gloss interior trim, decorative covers, frames, radio covers and translucent applications

PROPERTIES

- Light weight – 10% lower than PMMA
- High clarity, brilliance and color intensity
- Outstanding resistance to heat and UV – SPF 50
- Excellent dimensional stability, even at high heat
- Good mechanical strength
- High chemical resistance to fats, oils, automotive fluids and solvents

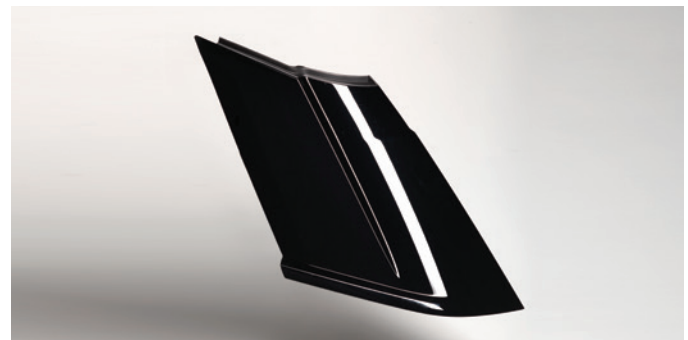
PROCESSING

- Easy to process
- Proved scrap and cycle time reduction (vs. PMMA)
- Allows design freedom for long and flat parts
- Suitable for 2K injection: surface layer on ABS or ABS/PC, or combined with soft TPE



TYPICAL VALUES FOR LURAN® HH 120

| | |
|---|------|
| Heat resistance VST B 50 (°C) | 120 |
| Tensile modulus E-Modul (MPa) | 3900 |
| Impact strength a_{N_r} 23°C (kJ/m ²) | 20 |
| Density (g/cm ³) | 1.08 |
| Flowability MVR 220/10 (cm ³ /10min) | 7 |



Learn more about how Styrolution's innovative styrenic solutions and unique global services can help you succeed at www.styrolution.com. You may also contact us directly at globalinfo@styrolution.com