ASALAC® ASA for long-lasting outdoor applications

Who is Styrenix?

Styrenix´s history dates back to 1973, when the company began as ABS Industries Limited, focusing on ABS plastics. Over the years, it continued to evolve – including as INEOS Styrolution India – and today operates as **Styrenix Performance Materials Limited**.

The core characteristics of ASA

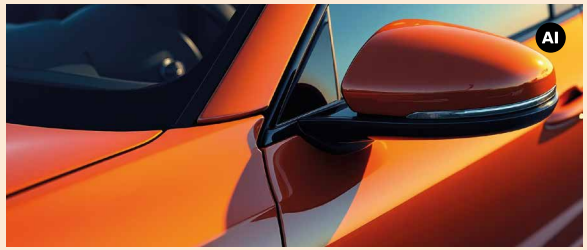
- **Excellent weathering resistance** for visible outdoor components exposed to sunlight and changing conditions.
- **High impact strength and stiffness** for demanding housings, panels and covers.
- **Exceptonal quality** for ASA components where appearance matters.
- **Good colourability** for design flexibility across a wide range of ASA applications, customisable according to RAL standards or specific customer requirements.
- **Reliable dimensional stability** for consistent performance in demanding components.

ASALAC® – engineered for visible outdoor components

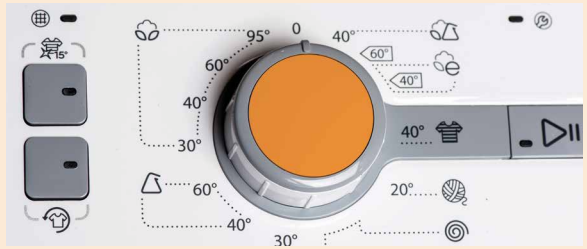
ASALAC® is **Styrenix's ASA** product family. Combining good mechanical properties with excellent UV and weather resistance, **ASA** is ideal for durable components that need to maintain their performance and appearance outdoors. A range of grades allows selection based on flowability, stiffness, heat resistance and surface requirements.

Segments & applications

- **Mobility:** Exterior trim, panels and visible components
- **Construction:**
  Profiles, covers and housings for outdoor use
- **Electrical & electronics:**
  Housings and covers, especially for outdoor use
- **Garden & Leisure:** Durable, visible outdoor components









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ASA vs. ABS

Property	ASA	ABS
UV and weather resistance	Excellent; suited to outdoor applications	Limited; primarily suited to indoor use
Colour and apperance in outdoor applications	Better retention of colour and surface appearance	More prone to fading and surface degradation
Impact strength	Good; grade-dependent	Good; grade-dependent
Typical applications	Exterior trim, housings and visible outdoor components	Housings, enclosures and components for indoor use

Our ASALAC® portfolio

Polymer	Styrenix	Description	220 °C/10 kg (g/10 min)	Izod notched impact strength, 23° C (KJ/m²)	Tensile modulus (Mpa)	Vicat softening temperature (VST/B/50)
ASA	**ASALAC® 401**	High flow, UV stability	15	12	2,300	97
ASA	**ASALAC® 401 XUV**	High flow, high UV stability for high gloss	15	12	2,300	97
ASA	**ASALAC® 401 UV**	High flow, UV stability, high stiffness	15	12	2,300	97
ASA	**ASALAC® 402**	High heat	5	15	2,500	104
ASA	**ASALAC® 402 XUV**	High flow, high UV stability for high gloss, high heat	5	15	2,500	104
ASA	**ASALAC® 402 UV**	High heat, UV stability	5	15	2,500	104

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