

FASCIA AND MOUNTING BRACKETS

Automotive applications that fit

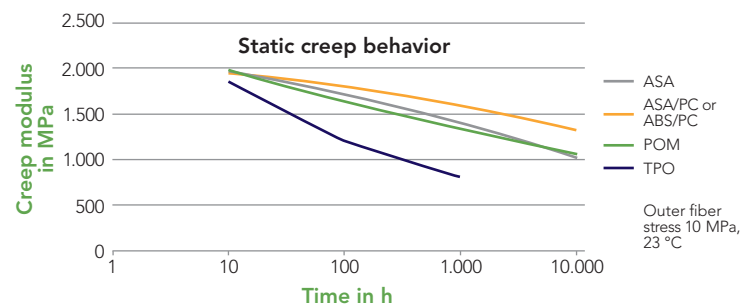


IMPROVING SAVINGS THROUGH PERFORMANCE

Apply the benefits of lower density and high dimensional stability

Properties	Luran S 777K (ASA)	Luran SC 2861 (ASA/PC)	Novodur H801 (ABS/PC)	POM	PA/ Glass	TPO/ Mineral	PP/ Glass
Density advantage	++	++	++	-	-	++	+
Impact	0	+	+	0	+	-	0
Weatherability	++	0	-	-	-	0	0
Dimensional stability	+	+	+	++	-	-	-
Heat resistance	0	+	0	-	++	-	+
Suitable for snap-fit design	+	++	+	++	++	-	-
Cost advantage	+	-	+	-	-	+	+

Property	Method	Units	Luran S 777K (ASA)	Luran SC 2861 (ASA/PC)	Novodur H801 (ABS/PC)
Tensile modulus	ISO 527	MPa	2300	2300	2400
Charpy, notched (23 °C)	ISO 179	kJ/m ²	17	60	30
Density	ISO 1183	g/cm ³	1,07	1,15	1,07



APPLICATIONS

Automotive engineers around the world rely on INEOS Styrolution for innovative styrenic materials for demanding mounting bracket applications:

- Fascia brackets
- Bumpers
- Fog lamps & surrounds
- Side panels
- Claddings

PROPERTIES

High-performance resins such as Luran S (ASA), Luran SC (ASA/PC) and Novodur (ABS) enable clever and cost-effective solutions for mounting bracket designers and manufacturers, due to their exceptional balance of properties:

- Excellent dimensional stability
- Low density
- High strength
- High stiffness
- High heat resistance & aging
- Superb impact resistance
- Rugged durability
- UV protection (Luran S)
- Versatile processability

ADVANTAGES

Styrenic resins efficiently optimize the performance of current mounting bracket application designs, as well as expanding future design possibilities with their high-flow versatility. Taken together, the advantages are clear:

- **Lower costs** – due to lower density, lower weight and thinner bumpers > Lower density than POM
- **Better fit** – for instance, no gap between car and bumper > Even with snap-fit designs
- **More robust insertion/extraction performance**
- **Greater dimensional stability** – for example, for thin wall bumpers & brackets > Stiffer than TPO
- **Better finish**
- **Easier to process** – due to low warpage, isotropic shrink, and excellent melt flow for complex designs > Lower warpage than glass fiber filled PP

Additional automotive application solutions from INEOS Styrolution:

INTERIOR APPLICATIONS

- Instrument panel components
- Center consoles
- Roof consoles
- Interior trim

EXTERIOR APPLICATIONS

- Front grills
- Rearview mirrors
- Rear lights
- Exterior trim and body panels