

**Luran® S KR2868C**  
 (ASA+PC)

INEOS Styrolution

Luran® S KR2868C is a blend of ASA with PC, shows high heat and high impact resistance and long-term property retention. Its UV resistance is not only sufficient for all kind of interior applications – incl. unpainted surfaces in light colors – but also for exterior parts with medium weatherability requirements. Luran® S KR2868C provides highest impact properties among all Luran® SC grades.

Rheological properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	20	cm³/10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-

Mechanical Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2400	MPa	ISO 527
Yield stress	60	MPa	ISO 527
Yield strain	4.6	%	ISO 527
Nominal strain at break	>50	%	ISO 527
Notched Impact Strength (Charpy), +23°C	100	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	15	kJ/m²	ISO 179/1eA
Flexural strength	80	MPa	ISO 178
Ball Indentation Hardness	110	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load (1.80 MPa)	103	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	123	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	118	°C	ISO 306
Burning Behav. at 1.5 mm Nom. Thickn.	HB	class	UL 94
Thickness tested	1.5	mm	-
UL recognition	yes	-	-

Other Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Water Absorption	0.6	%	Sim. to ISO 62
Humidity absorption	0.16	%	Sim. to ISO 62
Density	1160	kg/m³	ISO 1183
Bulk density	600	kg/m³	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 110	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	260 - 300	°C	-
Mold temperature	60 - 90	°C	-

**Characteristics**
**Processing**

Injection Molding

**Delivery form**

Pellets

**Additives**

Release agent

**Special Characteristics**

Impact modified, Light stabilized or stable to light, UV stablized, Heat aging stabilized

**Applications**

Automotive

**Injection Molding**
**PREPROCESSING**

Pre-drying, Temperature: 100 - 110°C

Pre-drying, Time: 2 - 4h

**PROCESSING**

Melt temperature, range: 260 - 300°C

Mold temperature, range: 60 - 90 °C

## Disclaimer

### Liability Exclusion

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