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INEOS Styrolution

ALBIS

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
ISO Data			
Melt volume-flow rate, MVR	20	cm³/10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
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
ISO Data			
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
ISO Data			
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