

Luran® S 767KE
ASA

INEOS Styrolution

Luran® S 767KE is a high gloss extrusion grade with excellent weatherability especially suited for coextrusion onto PVC for e.g.pipes and profiles.

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	17	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2300	MPa	ISO 527
Yield stress	50	MPa	ISO 527
Yield strain	3.3	%	ISO 527
Nominal strain at break	8	%	ISO 527
Tensile Creep Modulus, 1000h	1400	MPa	ISO 899-1
Impact Strength (Charpy), +23°C	150	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy), -30°C	60	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	10	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	4	kJ/m ²	ISO 179/1eA

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	97	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	101	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	98	°C	ISO 306
Coeff. of Linear Therm. Expansion, parallel	95	E-6/K	ISO 11359-1/-2
Burning Behav. at 1.5 mm Nom. Thickn.	HB	class	UL 94
Thickness tested	1.6	mm	-
UL recognition	yes	-	-
Burning Behav. at thickness h	HB	class	UL 94
Thickness tested	0.8	mm	-
UL recognition	yes	-	-
Oxygen index	19	%	ISO 4589-1/-2

Electrical Properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 100Hz	3.7	-	IEC 62631-2-1
Relative permittivity, 1MHz	3.4	-	IEC 62631-2-1
Dissipation Factor, 100Hz	110	E-4	IEC 62631-2-1
Dissipation Factor, 1MHz	240	E-4	IEC 62631-2-1
Volume Resistivity	1E12	Ohm*m	IEC 62631-3-1
Surface Resistivity	1E13	Ohm	IEC 62631-3-2
Electric Strength	35	kV/mm	IEC 60243-1
Comparative tracking index	600	-	IEC 60112

Other Properties	Value	Unit	Test Standard
ISO Data			
Water Absorption	1.65	%	Sim. to ISO 62
Humidity absorption	0.35	%	Sim. to ISO 62
Density	1070	kg/m ³	ISO 1183

Test specimen production	Value	Unit	Test Standard
ISO Data			
Injection Molding, melt temperature	250	°C	ISO 294
Injection Molding, mold temperature	60	°C	ISO 294
Injection Molding, injection velocity	200	mm/s	ISO 294

Diagrams

Characteristics

Processing

Profile Extrusion, Sheet Extrusion, Other Extrusion

Delivery form

Pellets

Special Characteristics

Light stabilized or stable to light, UV stabilized, Heat aging stabilized

Other Extrusion

PREPROCESSING

Pre/Post-processing, Pre-drying, Temperature: 80 °C

Pre/Post-processing, Pre-drying, Time: 2 - 4 h

PROCESSING

Extrusion, Pipes, Melt temperature: 200 - 230 °C

Profile extrusion

PREPROCESSING

Pre/Post-processing, Pre-drying, Temperature: 80 °C

Pre/Post-processing, Pre-drying, Time: 2 - 4 h

PROCESSING

Extrusion, Profiles, Melt temperature: 200 - 230 °C

Sheet Extrusion

PREPROCESSING

Pre/Post-processing, Pre-drying, Temperature: 80 °C

Pre/Post-processing, Pre-drying, Time: 2 - 4 h

PROCESSING

Extrusion, Plates, Melt temperature: 200 - 250 °C

Disclaimer

Liability Exclusion

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