

Luran 338L

Styrene Acrylonitrile (SAN)

TECHNICAL DATASHEET

DESCRIPTION

Luran® 338L is an easy-flow grade of SAN, suitable for moldings with very thin walls and / or adverse flow length to wall ratio. It features excellent transparency, a light intrinsic color and very good color consistency.

FEATURES

- Excellent transparency
- Light natural color
- Good surface appearance
- Extremely easy flow

APPLICATIONS

- Cosmetic packaging

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm ³ /10 min	40
Mechanical Properties			
Izod Notched Impact Strength, 23 °C	ISO 180/A	kJ/m ²	2
Izod Notched Impact Strength, -30 °C	ISO 180/A	kJ/m ²	2
Izod Unnotched Impact Strength, 23 °C	ISO 180	kJ/m ²	14
Charpy Notched Impact Strength, 23° C	ISO 179/1eA	kJ/m ²	1.7
Charpy Notched Impact Strength, -30 °C	ISO 179/1eA	kJ/m ²	1.5
Charpy Unnotched, 23 °C	ISO 179/1eU	kJ/m ²	14.5
Charpy Unnotched, -30 °C	ISO 179/1eU	kJ/m ²	14.5
Tensile Strain at Break, 23 °C	ISO 527	%	2
Tensile Modulus	ISO 527	MPa	3500
Hardness, Rockwell	-	M scale	67
Hardness, Ball Indentation	ISO 2039-1	MPa	162
Thermal Properties			
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°C	105
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	100
Heat Deflection Temperature B; (annealed 4 h/80 °C; 0.45 MPa)	ISO 75	°C	98

Luran 338L

Styrene Acrylonitrile (SAN)

TECHNICAL DATASHEET

Property, Test Condition	Standard	Unit	Values
Coefficient of Linear Thermal Expansion	ISO 11359	10 ⁻⁶ /°C	63
Thermal Conductivity	DIN 52612-1	W/(m K)	0.17
Electrical Properties			
Dielectric Constant (100 Hz)	IEC 62631-2-1	-	3
Dissipation Factor (100 Hz)	IEC 62631-2-1	10 ⁻⁴	47
Dissipation Factor (1 MHz)	IEC 62631-2-1	10 ⁻⁴	64
Volume Resistivity	IEC 62631-3-1	Ohm*m	>10 ¹³
Surface Resistivity	IEC 62631-3-1	Ohm	>10 ¹⁴
Optical Properties			
Refractive Index, Sodium D Line	ISO 489	-	1.569
Other Properties			
Density	ISO 1183	kg/m ³	1080
Moisture Absorption, Equilibrium 23 °C/50% RH	ISO 62	%	0.2
Processing			
Linear Mold Shrinkage	ISO 294-4	%	0.3 - 0.7
Melt Temperature Range	ISO 294	°C	200 - 250
Mold Temperature Range	ISO 294	°C	40 - 80
Drying Temperature	-	°C	80
Drying Time	-	h	4

Typical values for uncolored products

Please note that all processing data stated are only indicative and may vary depending on the individual processing complexities.

Please consult our local sales or technical representatives for details.

DISCLAIMER

The above mentioned data are accurate to the best of our knowledge. They are based upon reputable labs and industry standard testing methods. These are only typical values and actual product specification may deviate at industrial range. Therefore, no data in this technical data sheet shall constitute a warranty or representation regarding product features, fitness of the product for a specific purpose or application or its processability. INEOS Styrolution disclaims all liability in connection therewith. The customer himself is required to verify whether or not

Luran 338L

Styrene Acrylonitrile (SAN)

**TECHNICAL
DATASHEET**

the product is suitable for the further processing or application intended and whether or not the product complies with the relevant statutory requirements. Unless explicitly and individually otherwise agreed in writing, INEOS Styrolution's sole and exclusive liability with respect to its products is set forth in INEOS Styrolution's General Terms and Conditions for Sale.