

LURAN SAN W

Please Select

TECHNICAL
DATASHEET

DESCRIPTION

Luran® SAN W is a high-flow grade of SAN, suitable for moldings with very thin walls and / or adverse flow length to wall ratio. It features excellent transparency, a water clear color and very good color consistency.

FEATURES

- Excellent transparency
- Ultra high flow
- crystal clear
- Food contact
- Good surface appearance

APPLICATIONS

- Cosmetic packaging
- Cosmetic jars
- Stationery
- Water containers
- Household appliances

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm³/10 min	60
Mechanical Properties			
Izod Notched Impact Strength, 23 °C	ISO 180/A	kJ/m²	2
Charpy Notched Impact Strength, 23° C	ISO 179/1eA	kJ/m²	1.5
Charpy Unnotched, 23 °C	ISO 179/1eU	kJ/m²	14
Tensile Stress at Yield, 23 °C	ISO 527	MPa	70
Tensile Strain at Break, 23 °C	ISO 527	%	2
Tensile Modulus	ISO 527	MPa	3500
Flexural Strength, 23 °C	ISO 178	MPa	105
Flexural Modulus, 23 °C	ISO 178	MPa	3300
Hardness, Rockwell	ISO 2039-2	R scale	125
Thermal Properties			
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°C	101
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	94
Heat Deflection Temperature B; (annealed 4 h/80 °C; 0.45 MPa)	ISO 75	°C	96
Other Properties			

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Property, Test Condition	Standard	Unit	Values
Density	ISO 1183	kg/m ³	1070
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	2 - 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.

SUPPLY FORM

Luran is delivered in the form of cylindrical and lenticular pellets. The bulk density of the pellets is from 0.55 to 0.65 g/cm³. Values may differ for special grades. Standard Packaging unit: 25 kg paper bag. In addition, delivery in larger units of up to 1000 kg (IBC = Intermediate Bulk Container) or silo trucks can be arranged. In dry areas with normal temperature control, Luran pellets can be stored for relatively long periods of time without any change in mechanical properties. With unstable colors, however, storage over a number of years can give rise to some change in color. Under poor storage conditions, Luran absorbs moisture, but this can be removed by drying.

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 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.