

Luran SAN C

Styrene Acrylonitrile (SAN)

TECHNICAL DATASHEET

DESCRIPTION

Luran SAN C is an injection molding grade of SAN with medium impact strength and high flow.

FEATURES

- Excellent transparency
- Easy flow
- Medium impact strength
- Food contact
- Good surface appearance

APPLICATIONS

- Food blenders
- Water tank
- Tumblers
- Household appliances

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm ³ /10 min	23
Mechanical Properties			
Izod Notched Impact Strength, 23 °C	ISO 180/A	kJ/m ²	2
Charpy Unnotched, 23 °C	ISO 179	kJ/m ²	-
Tensile Stress at Yield, 23 °C	ISO 527	MPa	68
Tensile Strain at Break, 23 °C	ISO 527	%	3.2
Tensile Modulus	ISO 527	MPa	3700
Flexural Strength, 23 °C	ISO 178	MPa	111
Flexural Modulus, 23 °C	ISO 178	MPa	3800
Hardness, Rockwell	ISO 2039-2	R scale	126
Thermal Properties			
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°C	-
Vicat Softening Temperature, B/2 (120 °C/h, 50N)	ASTM D 1525	°C	104
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	101
Heat Deflection Temperature B; (annealed 4 h/80 °C; 0.45 MPa)	ISO 75	°C	103
Optical Properties			

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Light Transmission at 550 nm	ASTM D 1003	%	87 - 88
Other Properties			
Density	ISO 1183	kg/m ³	1080
Processing			
Linear Mold Shrinkage	ISO 294-4	%	0.3 - 0.4