

Luran SAN W

Styrene Acrylonitrile (SAN)

TECHNICAL DATASHEET

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	cm ³ /10 min	60
Mechanical Properties			
Izod Notched Impact Strength, 23 °C	ISO 180/A	kJ/m ²	1.8
Tensile Strain at Break, 23 °C	ISO 527	%	2.1
Tensile Modulus	ISO 527	MPa	3600
Flexural Strength, 23 °C	ISO 178	MPa	115
Flexural Modulus, 23 °C	ISO 178	MPa	3600
Hardness, Rockwell	ISO 2039-2	R scale	124
Thermal Properties			
Vicat Softening Temperature, B/2 (120 °C/h, 50N)	ASTM D 1525	°C	101
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	90
Heat Deflection Temperature B; (annealed 4 h/80 °C; 0.45 MPa)	ISO 75	°C	95
Optical Properties			
Light Transmission at 550 nm	ASTM D 1003	%	89 - 90
Other Properties			
Density	ISO 1183	kg/m ³	1070
Processing			
Linear Mold Shrinkage	ISO 294-4	%	0.3 - 0.4