

Luran® 348Q

SAN

INEOS Styrolution

Luran® 348Q is a grade of SAN, suitable for moldings with very thin walls and / or adverse flow length to wall ratio. It features excellent transparency and a light intrinsic color. Food contact statements are available on request.

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	19	cm³/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3600	MPa	ISO 527
Stress at Break	70	MPa	ISO 527
Strain at Break	2.5	%	ISO 527
Impact Strength (Charpy), +23°C	14	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	14	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	1.5	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	1.5	kJ/m²	ISO 179/1eA

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	99	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	99	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	105	°C	ISO 306
Coeff. of Linear Therm. Expansion, parallel	70	E-6/K	ISO 11359-1/-2

Other Properties	Value	Unit	Test Standard
ISO Data			
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1080	kg/m³	ISO 1183

Rheological calculation properties	Value	Unit	Test Standard
ISO Data			
Thermal Conductivity of Melt	0.17	W/(m K)	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	200 - 250	°C	-
Mold temperature	40 - 80	°C	-

Characteristics
Processing

Injection Molding

Special Characteristics

Transparent

Delivery form

Pellets

Injection Molding
PREPROCESSING

Pre-drying, Temperature: 80°C

Pre-drying, Time: 2 - 4h

PROCESSING

Melt temperature, range: 200 - 250°C

Mold temperature, range: 40 - 80°C