



Luran® 348Q

INEOS Styrolution - Styrene Acrylonitrile

Tuesday, November 5, 2019

General Information

Product Description

Luran® 348Q 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 and a light intrinsic color.

FEATURES

- Excellent transparency
- Light natural color
- Good surface appearance
- Good chemical resistance

APPLICATIONS

- Cosmetic packaging

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Good Flow	• Good Surface Finish • High Clarity	
Uses	• Cosmetic Packaging	• Thin-walled Parts	
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	19	cm ³ /10min	ISO 1133
Molding Shrinkage	0.30 to 0.70	%	ISO 294-4
Water Absorption (Equilibrium, 73°F, 50% RH)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	522000	psi	ISO 527-2
Tensile Stress (Yield, 73°F)	10200	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.5	%	ISO 527-2
Flexural Stress (73°F)	16700	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	0.71	ft-lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	6.7	ft-lb/in ²	ISO 179/1eU
Notched Izod Impact Strength (73°F)	0.71	ft-lb/in ²	ISO 180/A
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	23200	psi	ISO 2039-1
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ² (66 psi, Annealed)	210	°F	ISO 75-2/B
Heat Deflection Temperature ² (264 psi, Annealed)	187	°F	ISO 75-2/A
Vicat Softening Temperature	221	°F	ISO 306/B50

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Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	3.9E-5	in/in/°F	ISO 11359-2
Thermal Conductivity	1.2	Btu·in/hr/ft²/°F	DIN 52612
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+16	ohms·cm	IEC 60093
Dielectric Constant (100 Hz)	2.90		IEC 60250
Dissipation Factor			IEC 60250
100 Hz	4.0E-3		
1 MHz	7.0E-3		
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.569		ISO 489

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	392 to 482	°F
Mold Temperature	104 to 176	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

² 4h/80°C