

Luran S KR2950

Acrylonitrile Styrene Acrylate / Acrylic (ASA/PMMA)

TECHNICAL DATASHEET

DESCRIPTION

Luran® S KR2950, an ASA/PMMA-blend, provides easy coloring and good scratch resistance. Therefore Luran® S KR2950 is especially suitable for the production of plastics moldings in brilliant colors with high gloss.

FEATURES

- Good UV resistance
- Enhanced scratch resistance
- Deep color impression

APPLICATIONS

- Writing articles
- Cosmetics
- High gloss household appliances

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm ³ /10 min	10
Melt Volume Rate, 220 °C/21.6 kg	ISO 1133	cm ³ /10 min	17
Mechanical Properties			
Charpy Notched Impact Strength, 23° C	ISO 179	kJ/m ²	9
Charpy Notched Impact Strength, -30 °C	ISO 179	kJ/m ²	3
Charpy Unnotched, 23 °C	ISO 179	kJ/m ²	120
Charpy Unnotched, -30 °C	ISO 179	kJ/m ²	54
Tensile Stress at Yield, 23 °C	ISO 527	MPa	49
Tensile Strain at Yield, 23 °C	ISO 527	%	3.6
Tensile Modulus	ISO 527	MPa	2100
Thermal Properties			
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°C	91
Vicat Softening Temperature, VST/A/50 (10N, 50 °C/h)	ISO 306	°C	103
Electrical Properties			
Volume Resistivity	IEC 60093	Ohm*m	1E13
Surface Resistivity	IEC 60093	Ohm	1E15
Optical Properties			

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Refractive Index, Sodium D Line	ISO 489	-	1.540
Other Properties			
Density	ISO 1183	kg/m ³	1100
Water Absorption, Saturated at 23°C	ISO 62	%	0.7
Processing			
Linear Mold Shrinkage	ISO 294-4	%	0.4 - 0.7
Melt Temperature Range	ISO 294	°C	240 - 280
Mold Temperature Range	ISO 294	°C	40 - 80
Drying Temperature		°C	80
Drying Time		h	2 - 4