

# Luran S KR2867CWU

Acrylonitrile Styrene Acrylate / Polycarbonate (ASA/PC)

## TECHNICAL DATASHEET

### DESCRIPTION

Luran® S KR2867CWU is a blend of ASA and PC with enhanced flowability. It particularly offers flame retardancy including V0 classification.

### FEATURES

- Highest flowability
- V0 classification

### APPLICATIONS

- Office equipment

Property, Test Condition	Standard	Unit	Values
<b>Rheological Properties</b>			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm <sup>3</sup> /10 min	25
Melt Volume Rate, 260 °C/5 kg	ISO 1133	cm <sup>3</sup> /10 min	45
<b>Mechanical Properties</b>			
Izod Notched Impact Strength, 23 °C	ISO 180/A	kJ/m <sup>2</sup>	15
Izod Notched Impact Strength, -30 °C	ISO 180/A	kJ/m <sup>2</sup>	6
Charpy Notched Impact Strength, 23° C	ISO 179	kJ/m <sup>2</sup>	40
Charpy Notched Impact Strength, -30° C	ISO 179	kJ/m <sup>2</sup>	6
Tensile Stress at Yield, 23° C	ISO 527	MPa	61
Tensile Strain at Yield, 23° C	ISO 527	%	4
Tensile Modulus	ISO 527	MPa	2600
Elongation at Break (MD)	ISO 527	%	50
Flexural Strength	ISO 178	MPa	90
Hardness, Ball Indentation	ISO 2039-1	MPa	120
<b>Thermal Properties</b>			
Vicat Softening Temperature VST/B/50 (50N, 50°C/h)	ISO 306	°C	105
Vicat Softening Temperature, VST/A/50 (10N, 50°C/h)	ISO 306	°C	110
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	96
Heat Deflection Temperature B; (annealed 4 h/80 °C; 0.45 MPa)	ISO 75	°C	100
Coefficient of Linear Thermal Expansion	ISO 11359	10 <sup>-6</sup> /°C	65 - 85

# Luran S KR2867CWU

Acrylonitrile Styrene Acrylate / Polycarbonate (ASA/PC)

## TECHNICAL DATASHEET

Property, Test Condition	Standard	Unit	Values
Thermal Conductivity	DIN 52612-1	W/(m K)	0.19
<b>Electrical Properties</b>			
Dielectric Constant (100 Hz)	IEC 60250	-	3.1
Dissipation Factor (100 Hz)	IEC 60250	10 <sup>-4</sup>	60
Dissipation Factor (1 MHz)	IEC 60250	10 <sup>-4</sup>	100
Volume Resistivity	IEC 60093	Ohm*m	1E13
Surface Resistivity	IEC 60093	Ohm	1e+014
<b>Other Properties</b>			
Density	ISO 1183	kg/m <sup>3</sup>	1190
Water Absorption, Saturated at 23°C	ISO 62	%	0.4
Moisture Absorption, Equilibrium 23°C/50% RH	ISO 62	%	0.15
<b>Processing</b>			
Linear Mold Shrinkage	ISO 294-4	%	0.5 - 0.9
Melt Temperature Range	ISO 294	°C	260 - 300
Mold Temperature Range	ISO 294	°C	80
Injection Velocity	ISO 294	mm/s	200
Drying Temperature		°C	85 - 95
Drying Time		h	2 - 4