

# Luran® S KR 2867 C WU

## Acrylonitrile Styrene Acrylate + PC

### BASF Corporation

Product Description			
Easy flowing injection moulding grade containing bromine-, chlorine- and antimony-free flame retardant. Available in Europe only.			
General			
Material Status	• Commercial: Active		
Availability	• Europe		
Additive	• Flame Retardant		
Features	• Antimony Free	• Chlorine Free	• Good Flow
	• Bromine Free	• Flame Retardant	
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Injection Molding		
Multi-Point Data	• Isothermal Stress vs. Strain (ISO 11403-1)	• Secant Modulus vs. Strain (ISO 11403-1)	• Viscosity vs. Shear Rate (ISO 11403-2)
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	45.0	cm <sup>3</sup> /10min	ISO 1133
Molding Shrinkage - Flow	0.30 to 0.70	%	ISO 294-4
Water Absorption			ISO 62
24 hr, 23°C	0.40	%	
Saturation, 23°C	0.40	%	
Equilibrium, 23°C, 50% RH	0.15	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2600	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	61.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	4.0	%	ISO 527-2/50
Nominal Tensile Strain at Break (23°C)	50	%	ISO 527-2/50
Flexural Strength (23°C)	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	9.0	kJ/m <sup>2</sup>	
23°C	16	kJ/m <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		
23°C	No Break		
Notched Izod Impact (23°C)	120	J/m	ASTM D256A
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	120	MPa	ISO 2039-1
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	100	°C	ISO 75-2/B
1.8 MPa, Unannealed	96.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	110	°C	ISO 306/A50
--	105	°C	ISO 306/B50
CLTE - Flow (23 to 80°C)	0.000065 to 0.000085	cm/cm/°C	ISO 11359-2
Thermal Conductivity	0.19	W/m/K	ISO 8302

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 [www.kedisujiao.com](http://www.kedisujiao.com)

备注：以上原料物性数据由厂家发布,我公司仅提供参考！数据如有变动，请联系原料生产厂家获知。我公司不承担任何法律责任！

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Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohm·cm	IEC 60093
Relative Permittivity			IEC 60250
23°C, 100 Hz	3.10		
23°C, 1 MHz	3.00		
Dissipation Factor			IEC 60250
23°C, 100 Hz	0.0060		
23°C, 1 MHz	0.010		
Comparative Tracking Index (Solution A)	250	V	IEC 60112

Flammability	Nominal Value	Unit	Test Method
Flame Rating - UL	V-0		UL 94

**Additional Information**

The value listed as Thermal Conductivity, ISO 8302, was tested in accordance with DIN 52612-2.  
 Flammability by electrical sources of ignition, IEC 60707, Method BH, 4mm: BH2  
 Maximum Service Temperature (Short Cycle Operation): 90°C

Injection	Nominal Value	Unit
Drying Temperature	85.0 to 95.0	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	260 to 280	°C
Mold Temperature	40.0 to 60.0	°C

**Notes**

<sup>1</sup> Typical properties: these are not to be construed as specifications.

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