

Luran® S KR 2866 C

Acrylonitrile Styrene Acrylate + PC

BASF Corporation

Product Description
Heat-resistant injection-moulding grade with medium toughness for automotive interior and exterior parts as well as housings for electronic goods. Available in Europe only.

General			
Material Status	• Commercial: Active		
Availability	• Europe		
Features	• Good Toughness	• High Heat Resistance	
Uses	• Automotive Exterior Parts	• Automotive Interior Parts	• Electrical Housing
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)	

Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	11.0	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow	0.30 to 0.70	%	ISO 294-4
Water Absorption			ISO 62
24 hr, 23°C	0.30	%	
Saturation, 23°C	0.90	%	
Equilibrium, 23°C, 50% RH	0.25	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2600	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	60.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	3.4	%	ISO 527-2/50
Nominal Tensile Strain at Break (23°C)	15	%	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	5.0	kJ/m ²	
23°C	35	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	160	kJ/m ²	
23°C	No Break		

Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	110	MPa	ISO 2039-1

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	113	°C	ISO 75-2/B
1.8 MPa, Unannealed	102	°C	ISO 75-2/A
Vicat Softening Temperature	110	°C	ISO 306/B50
CLTE - Flow (23 to 80°C)	0.000080 to 0.00010	cm/cm/°C	ISO 11359-2
Thermal Conductivity	0.17	W/m/K	ISO 8302

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohm·cm	IEC 60093
Electric Strength	38	kV/mm	IEC 60243-1

Flammability	Nominal Value	Unit	Test Method
Flame Rating - UL	HB		UL 94

Additional Information
The value listed as Thermal Conductivity, ISO 8302, was tested in accordance with DIN 52612-2. Maximum Service Temperature (Short Cycle Operation): 100°C

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

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Injection	Nominal Value	Unit
Drying Temperature	100	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	260 to 300	°C
Mold Temperature	40.0 to 80.0	°C

Notes

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

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