

Luran® S KR 2861/1 C

Acrylonitrile Styrene Acrylate + PC

BASF Corporation

Product Description			
Grade with high heat resistance for injection moulding and extrusion (eg, interior and exterior automotive parts, electrical housings). Available in Europe only.			
General			
Material Status	• Commercial: Active		
Availability	• Europe		
Features	• High Heat Resistance		
Uses	• Automotive Exterior Parts	• Automotive Interior Parts	• Electrical Housing
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	
Multi-Point Data	• Creep Modulus vs. Time (ISO 11403-1)	• Isothermal Stress vs. Strain (ISO 11403-1)	• Shear Modulus vs. Temperature (ISO 11403-2)
	• Isochronous 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	1.15	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	14.0	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)	2300	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	53.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	4.9	%	ISO 527-2/50
Nominal Tensile Strain at Break (23°C)	50	%	ISO 527-2/50
Tensile Creep Modulus (1000 hr)	1600	MPa	ISO 899-1
Flexural Strength (23°C)	78.0	MPa	ISO 178
Shear Modulus (23°C)	900	MPa	ISO 537
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	20	kJ/m ²	
23°C	60	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		
23°C	No Break		
Notched Izod Impact (23°C)	600	J/m	ASTM D256A
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	95.0	MPa	ISO 2039-1
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	125	°C	ISO 75-2/B
1.8 MPa, Unannealed	106	°C	ISO 75-2/A
Vicat Softening Temperature			
--	136	°C	ISO 306/A50
--	120	°C	ISO 306/B50
CLTE - Flow (23 to 80°C)	0.000070 to 0.000090	cm/cm/°C	ISO 11359-2
Thermal Conductivity	0.17	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

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！

Luran® S KR 2861/1 C
Acrylonitrile Styrene Acrylate + PC
BASF Corporation

Tuesday, December 22, 2009

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohm·cm	IEC 60093
Relative Permittivity			IEC 60250
23°C, 100 Hz	3.40		
23°C, 1 MHz	3.20		
Dissipation Factor			IEC 60250
23°C, 100 Hz	0.0060		
23°C, 1 MHz	0.015		
Comparative Tracking Index (Solution A)	225	V	IEC 60112
Electric Strength	38	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating - UL (1.60 mm)	HB		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: HB
 Maximum Service Temperature (Short Cycle Operation): 110°C
 Nominal Strain at Break, ISO 527, 50 mm/min, 23°C: >50%

Injection	Nominal Value	Unit
Drying Temperature	100 to 110	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	260 to 300	°C
Mold Temperature	60.0 to 90.0	°C

Extrusion Notes

Plate Extrusion Melt Temperature: 250 to 280°C

Notes

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

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 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！