

# Luran® S KR 2858 G3

## Acrylonitrile Styrene Acrylate

### BASF Corporation

Product Description			
Glass-reinforced grade with high stiffness and heat distortion resistance. Available in Europe only.			
General			
Material Status	• Commercial: Active		
Availability	• Europe		
Filler / Reinforcement	• Glass Fiber Reinforcement, 15% Filler by Weight		
Features	• High Heat Resistance • High Stiffness		
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		1.18 g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)		5.00 cm <sup>3</sup> /10min	ISO 1133
Molding Shrinkage - Flow		0.40 %	ISO 294-4
Water Absorption			ISO 62
Saturation, 23°C		1.4 %	
Equilibrium, 23°C, 50% RH		0.30 %	
Mechanical		Nominal Value Unit	Test Method
Tensile Modulus (23°C)		6600 MPa	ISO 527-2
Tensile Stress (Break, 23°C)		110 MPa	ISO 527-2
Tensile Strain (Break, 23°C)		2.5 %	ISO 527-2
Flexural Strength (23°C)		140 MPa	ISO 178
Impact		Nominal Value Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C		6.0 kJ/m <sup>2</sup>	
23°C		7.0 kJ/m <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C		17 kJ/m <sup>2</sup>	
23°C		28 kJ/m <sup>2</sup>	
Hardness		Nominal Value Unit	Test Method
Ball Indentation Hardness (H 358/30)		170 MPa	ISO 2039-1
Thermal		Nominal Value Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed		115 °C	ISO 75-2/B
1.8 MPa, Unannealed		110 °C	ISO 75-2/A
Vicat Softening Temperature			
--		120 °C	ISO 306/A50
--		115 °C	ISO 306/B50
CLTE - Flow (23 to 80°C)		0.000030 cm/cm/°C	ISO 11359-2
Flammability		Nominal Value Unit	Test Method
Flame Rating - UL		HB	UL 94
Additional Information			
Maximum Service Temperature (Short Cycle Operation): 90°C			
Injection		Nominal Value Unit	
Drying Temperature		80.0 °C	
Drying Time		2.0 to 4.0 hr	
Processing (Melt) Temp		240 to 280 °C	
Mold Temperature		80.0 to 95.0 °C	

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)

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Tuesday, December 22, 2009

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