

Luran® S KR2858G3

Acrylonitrile Styrene Acrylate
Styrolution

Message:

Luran S KR2858G3 is a 15% glass fiber reinforced grade offering enhanced heat resistance and superior rigidity.

General Information			
Filler / Reinforcement	Glass Fiber, 15% Filler by Weight		
Features	High Heat Resistance		
	High Rigidity		
Uses	Automotive Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	5.00	cm ³ /10min	ISO 1133
Molding Shrinkage	0.40 to 0.70	%	ISO 294-4
Water Absorption			ISO 62
Saturation, 23°C	1.4	%	
Equilibrium, 23°C, 50% RH	0.30	%	
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	170	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6600	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	110	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield, 23°C	2.5	%	
Break, 23°C	2.5	%	
Flexural Stress	140	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	5.0	kJ/m ²	
23°C	7.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Annealed	115	°C	ISO 75-2/B
1.8 MPa, Annealed	110	°C	ISO 75-2/A
Vicat Softening Temperature			

--	120	°C	ISO 306/A50
--	115	°C	ISO 306/B50
CLTE - Flow	3.0E-5	cm/cm/°C	ISO 11359-2
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	60.0	°C	
Injection Velocity	200	mm/sec	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

