Luran® S KR2861/1C

Acrylonitrile Styrene Acrylate + PC

Styrolution

Message:

Luran S KR2861/1C is a blend of ASA and PC providing high heat resistance and extraordinary impact strength

General Information			
UL YellowCard	E108538-100840271		
Features	High Heat Resistance High Impact Resistance		
Uses	Automotive Applications Housings		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.15	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR)			ISO 1133
220°C/10.0 kg	3.50	cm³/10min	
260°C/5.0 kg	14.0	cm³/10min	
Molding Shrinkage	0.50 to 0.90	%	ISO 294-4
Water Absorption			ISO 62
Saturation, 23°C	0.90	%	
Equilibrium, 23°C, 50% RH	0.25	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Ball Indentation Hardness	95.0	MPa	ISO 2039-1
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2300	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	53.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	4.9	%	ISO 527-2
Tensile Creep Modulus			ISO 899-1
1 hr	2000	MPa	
1000 hr	1600	MPa	
Flexural Stress	78.0	MPa	ISO 178
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Elongation - MD (Break)	> 50	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-30°C	20	kJ/m²	

23°C	60	kJ/m²	
Notched Izod Impact Strength			ISO 180/A
-30°C	15	kJ/m²	
23°C	60	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Annealed	125	°C	ISO 75-2/B
1.8 MPa, Annealed	106	°C	ISO 75-2/A
Vicat Softening Temperature			
--	136	°C	ISO 306/A50
--	120	°C	ISO 306/B50
CLTE - Flow	7.0E-5 to 9.0E-5	cm/cm/°C	ISO 11359-2
Thermal Conductivity	0.17	W/m/K	DIN 52612
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms·cm	IEC 60093
Dielectric Constant (100 Hz)	3.40		IEC 60250
Dissipation Factor			IEC 60250
100 Hz	6.0E-3		
1 MHz	0.015		
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	80.0	°C	
Injection Velocity	200	mm/sec	

Recommended distributors for this material

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