Luran® S KR2864C

Acrylonitrile Styrene Acrylate + PC

Styrolution

Message:

Luran S KR2864C is a blend of ASA and PC offering high heat resistance, good impact strength and enhanced flowability.

General Information			
Features	High Flow High Heat Resistance High Impact Resistance		
Uses	Automotive Applications		
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	10.0	cm³/10min	
260°C/5.0 kg	25.0	cm³/10min	
Molding Shrinkage	0.50 to 0.90	%	ISO 294-4
Water Absorption			ISO 62
Saturation, 23°C	0.60	%	
Equilibrium, 23°C, 50% RH	0.18	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Ball Indentation Hardness	110	MPa	ISO 2039-1
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2600	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	63.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	4.6	%	ISO 527-2
Flexural Stress	100	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	11	kJ/m²	
23°C	55	kJ/m²	
Notched Izod Impact Strength			ISO 180/A
-30°C	8.0	kJ/m²	
23°C	60	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**

Heat Deflection Temperature			
0.45 MPa, Annealed	124	°C	ISO 75-2/B
1.8 MPa, Annealed	105	°C	ISO 75-2/A
Vicat Softening Temperature			
--	134	°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)	3.10		IEC 60250
Dissipation Factor			IEC 60250
100 Hz	6.0E-3		
1 MHz	0.012		
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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