

Luran® S KR2863C

Acrylonitrile Styrene Acrylate + PC
Styrolution

Message:

Luran S KR2863C is a blend of ASA and PC providing high impact strength and the highest heat resistance within the product line.

General Information			
Features	High Heat Resistance		
	High Impact Resistance		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR)			ISO 1133
220°C/10.0 kg	7.00	cm³/10min	
260°C/5.0 kg	18.0	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	0.16	%	
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	110	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	62.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	4.9	%	ISO 527-2
Flexural Stress	93.0	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	17	kJ/m²	
23°C	60	kJ/m²	
Notched Izod Impact Strength			ISO 180/A
-30°C	10	kJ/m²	
23°C	60	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Annealed	130	°C	ISO 75-2/B

1.8 MPa, Annealed	109	°C	ISO 75-2/A
Vicat Softening Temperature			
--	140	°C	ISO 306/A50
--	130	°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+14	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Dielectric Constant (100 Hz)	3.10		IEC 60250
Dissipation Factor			IEC 60250
100 Hz	6.0E-3		
1 MHz	0.010		
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	

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