

Styrolution Luran[®] S KR2866C ASA / PC

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/ASA Alloy, Unreinforced

Material Notes:

Luran S KR2866C is a blend of ASA and PC with a reduced content of PC. It is characterized by a medium impact toughness and heat resistance. Good heat resistance. Medium impact strength. Information provided by Styrolution

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styrolution-Luran-S-KR2866C-ASA-PC.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	0.35 % @Temperature 23.0 °C	0.35 % @Temperature 73.4 °F	50% RH; ISO 62
Water Absorption at Saturation	0.90 % @Temperature 23.0 °C	0.90 % @Temperature 73.4 °F	ISO 62
Linear Mold Shrinkage	0.0050 - 0.0090 cm/cm	0.0050 - 0.0090 in/in	ISO 294-4
Melt Flow	5.0 g/10 min @Load 10.0 kg, Temperature 220 °C	5.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ISO 1133
	11 g/10 min @Load 5.00 kg, Temperature 260 °C	11 g/10 min @Load 11.0 lb, Temperature 500 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	110 MPa	16000 psi	ISO 2039-1
Tensile Strength, Yield	60.0 MPa	8700 psi	ISO 527
Elongation at Break	15 %	15 %	ISO 527
Elongation at Yield	3.4 %	3.4 %	ISO 527
Tensile Modulus	2.60 GPa	377 ksi	ISO 527
Flexural Strength	90.0 MPa	13100 psi	ISO 178
Izod Impact, Notched (ISO)	9.00 kJ/m ² @Temperature -30.0 °C	4.28 ft-lb/in ² @Temperature -22.0 °F	ISO 180/A
	55.0 kJ/m ²	26.2 ft-lb/in ²	

Mechanical Properties	Metric	English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	ISO 1804
Charpy Impact, Notched	0.900 J/cm ²	4.28 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	3.50 J/cm ²	16.7 ft-lb/in ²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 - 100 µm/m-°C	44.4 - 55.6 µin/in-°F	ISO 11359
Thermal Conductivity	0.170 W/m-K	1.18 BTU-in/hr-ft ² - °F	DIN 52612-1
Deflection Temperature at 0.46 MPa (66 psi)	113 °C	235 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	102 °C	216 °F	ISO 75
Vicat Softening Point	110 °C	230 °F	50°C/h; ISO 306
	@Load 5.10 kg	@Load 11.2 lb	

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+14 ohm-cm	>= 1.00e+14 ohm-cm	IEC 60093
Surface Resistance	>= 1.00e+13 ohm	>= 1.00e+13 ohm	IEC 60093

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 300 °C	500 - 572 °F	ISO 294
Mold Temperature	80.0 °C	176 °F	ISO 294
Injection Velocity	200 mm/sec	7.87 in/sec	ISO 294
Drying Temperature	100 °C	212 °F	
	@Time 7200 - 14400 sec	@Time 2.00 - 4.00 hour	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China