Styrolution LuranÂ® S 767KE ASA

Category : Polymer , Thermoplastic , ASA Polymer

Material Notes:

Luran S 767KE is particular suitable for co-extrusion with PVC at low temperature. Hereby, it provides a glossy surface finish.Enhanced flowabilitySuitable for co-extrusion with PVCEnables high gloss surface in extrusionInformation provided by Styrolution

Order this product through the following link:
http://www.lookpolymers.com/polymer_Styrolution-Luran-S-767KE-ASA.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/inÂ³	ISO 1183
Moisture Absorption at Equilibrium	0.35 % @Temperature 23.0 Â°C	0.35 % @Temperature 73.4 Â°F	50% RH; ISO 62
Water Absorption at Saturation	1.65 % @Temperature 23.0 Â°C	1.65 % @Temperature 73.4 Â°F	ISO 62
Linear Mold Shrinkage	0.0050 - 0.0090 cm/cm	0.0050 - 0.0090 in/in	ISO 294-4
Melt Flow	17 g/10 min @Load 10.0 kg, Temperature 220 Â°C	17 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	80.0 MPa	11600 psi	ISO 2039-1
Tensile Strength, Yield	50.0 MPa	7250 psi	ISO 527
Elongation at Break	8.0 %	8.0 %	ISO 527
Elongation at Yield	4.0 %	4.0 %	ISO 527
Tensile Modulus	2.30 GPa	334 ksi	ISO 527
Flexural Strength	70.0 MPa	10200 psi	ISO 178
Charpy Impact, Notched	0.400 J/cmÂ² @Temperature -30.0 Â°C	1.90 ft-lb/inÂ² @Temperature -22.0 Â°F	ISO 179
	1.00 J/cmÂ² @Temperature 23.0 Â°C	4.76 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179
Tensile Creep Modulus, 1000 hours	1400 MPa	203000 psi	ISO 899

Mechanical Properties	Metric	English	Comments
Thermal Properties	**Metric**	**English**	**Comments**
CTE, linear	80.0 - 110 Âµm/m-Â°C	44.4 - 61.1 Âµin/in-Â°F	ISO 11359
Thermal Conductivity	0.170 W/m-K	1.18 BTU-in/hr-ftÂ²-Â°F	DIN 52612-1
Deflection Temperature at 0.46 MPa (66 psi)	101 Â°C	214 Â°F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	97.0 Â°C	207 Â°F	ISO 75
Vicat Softening Point	98.0 Â°C @Load 5.10 kg	208 Â°F @Load 11.2 lb	50Â°C/h; ISO 306
	105 Â°C @Load 1.02 kg	221 Â°F @Load 2.25 lb	50Â°C/h; ISO 306

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
Dielectric Constant	3.7 @Frequency 100 Hz	3.7 @Frequency 100 Hz	IEC 60250
Dissipation Factor	0.011 @Frequency 100 Hz	0.011 @Frequency 100 Hz	IEC 60250
	0.024 @Frequency 1.00e+6 Hz	0.024 @Frequency 1.00e+6 Hz	IEC 60250

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 280 Â°C	464 - 536 Â°F	ISO 294
Mold Temperature	60.0 Â°C	140 Â°F	ISO 294
Injection Velocity	200 mm/sec	7.87 in/sec	ISO 294
Drying Temperature	80.0 Â°C @Time 7200 - 14400 sec	176 Â°F @Time 2.00 - 4.00 hour	

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