

**Technical Data**

**Product Description**

Luran® S 757G provides the best flowability within the product line and is therefore in particular suitable for demanding injection molding geometries.

**FEATURES**

- Highest flowability
- Easy processing

**APPLICATIONS**

- Household and sanitary appliances
- Motor bicycle parts

**General**

Material Status	• Commercial: Active		
Literature <sup>1</sup>	• <a href="#">Technical Datasheet (English)</a>		
UL Yellow Card <sup>2</sup>	• <a href="#">E108538-100840220</a> • <a href="#">E108538-100840221</a>		
Search for UL Yellow Card	• <a href="#">INEOS Styrolution</a> • <a href="#">Luran® S</a>		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Processability • High Flow		
Uses	• Appliances	• Household Goods	• Sanitary Products
Forms	• Pellets		
Processing Method	• Injection Molding		
Multi-Point Data	• Creep Modulus vs. Time (ISO 11403-1) • Isochronous Stress vs. Strain (ISO 11403-1)	• Isothermal Stress vs. Strain (ISO 11403-1) • Secant Modulus vs. Strain (ISO 11403-1)	• Viscosity vs. Shear Rate (ISO 11403-2)

Physical	Nominal Value Unit	Test Method
Density	1.07 g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	25 cm <sup>3</sup> /10min	ISO 1133
Molding Shrinkage <sup>4</sup>	0.40 to 0.70 %	ISO 294-4
Water Absorption		ISO 62
Saturation, 23°C	1.7 %	
Equilibrium, 23°C, 50% RH	0.35 %	

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	2400 MPa	ISO 527-1
Tensile Stress (Yield, 23°C)	51.0 MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	3.3 %	ISO 527-2
Nominal Tensile Strain at Break (23°C)	8.0 %	ISO 527-2
Tensile Creep Modulus (1000 hr)	1650 MPa	ISO 899-1
Flexural Stress (23°C)	75.0 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength		ISO 179/1eA
-30°C	3.0 kJ/m <sup>2</sup>	
23°C	12 kJ/m <sup>2</sup>	

Hardness	Nominal Value Unit	Test Method
Ball Indentation Hardness	90.0 MPa	ISO 2039-1



Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load <sup>5</sup>		
0.45 MPa, Annealed	101 °C	ISO 75-2/B
1.8 MPa, Annealed	96.0 °C	ISO 75-2/A
Vicat Softening Temperature		
--	97.0 °C	ISO 306/B50
--	105 °C	ISO 306/A50
CLTE - Flow	8.0E-5 to 1.1E-4 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 62631-3-1
Volume Resistivity	1.0E+14 ohms·cm	IEC 62631-3-1
Relative Permittivity		IEC 62631-2-1
100 Hz	3.40	
1 MHz	3.20	
Dissipation Factor		IEC 62631-2-1
100 Hz	0.010	
1 MHz	0.025	

Flammability	Nominal Value Unit	Test Method
Flammability Classification (1.5 mm)	HB	IEC 60695-11-10, -20

Injection	Nominal Value Unit
Drying Temperature	80 °C
Drying Time	2.0 to 4.0 hr
Processing (Melt) Temp	240 to 280 °C
Mold Temperature	40 to 80 °C
Injection Velocity	12 m/min

**Notes**

- <sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.
- <sup>2</sup> A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.
- <sup>3</sup> Typical properties: these are not to be construed as specifications.
- <sup>4</sup> Free, longitudinal
- <sup>5</sup> 4 h/80 °C



## Where to Buy

### Supplier

#### INEOS Styrolution

Frankfurt, Frankfurt Germany  
**Telephone:** +49 69 5095501200  
**Web:** <http://www.ineos-styrolution.com>

### Distributor

#### ALBIS Plastic

*ALBIS Plastic is a global distribution and compounding company. Contact ALBIS Plastic for availability of individual products per country.*

**Telephone:** +49-40-78105-0

**Web:** <http://www.albis.com/>

**Availability:** Algeria, Austria, Belgium, Bulgaria, China, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hong Kong, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Tunisia, Turkey, United Kingdom

#### Amco Polymers

**Telephone:** 800-262-6685

**Web:** <http://www.amcopolymers.com/>

**Availability:** North America

#### Avient Distribution

*Avient Distribution is a global distribution company. Contact Avient Distribution for availability of individual products by country.*

**Telephone:** +1-888-502-0951 (USA); +86-21-6028-4805 (China)

**Web:** <https://now.avient.com/>

**Availability:** Global

#### Entec Polymers

**Telephone:** 833-319-0299

**Web:** [https://www.entecpolymers.com/?utm\\_source=ul&utm\\_medium=paid%20association&utm\\_campaign=entec%20%7C%20entec%201&utm\\_term=ul%20%7C%20where%20to%20buy](https://www.entecpolymers.com/?utm_source=ul&utm_medium=paid%20association&utm_campaign=entec%20%7C%20entec%201&utm_term=ul%20%7C%20where%20to%20buy)

**Availability:** North America

#### M. Holland Canada Company

**Telephone:** 905-665-1168

**Web:** <http://www.mholland.com/>

**Availability:** Canada

#### M. Holland Company

**Telephone:** 855-497-1403

**Web:** <http://www.mholland.com/>

**Availability:** Mexico, United States

#### Ultrapolymers

*Ultrapolymers is a Pan European distribution company. Contact Ultrapolymers for availability of individual products by country.*

**Telephone:** +32-11-57-95-57

**Web:** <http://www.ultrapolymers.com/>

**Availability:** Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Hungary, Ireland, Italy, Macedonia, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Turkey, Ukraine, United Kingdom

