

Luran® S 757 R

Acrylonitrile Styrene Acrylate

BASF Corporation

Product Description			
General-purpose grade for injection moulding with high stiffness.			
General			
Material Status	• Commercial: Active		
Availability	• Europe		
Features	• General Purpose	• High Stiffness	
Uses	• General Purpose		
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Injection Molding		
Multi-Point Data	• Creep Modulus vs. Time (ISO 11403-1)	• Isothermal Stress vs. Strain (ISO 11403-1)	• Viscosity vs. Shear Rate (ISO 11403-2)
	• Isochronous Stress vs. Strain (ISO 11403-1)	• Secant Modulus vs. Strain (ISO 11403-1)	
Physical			
	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	8.00	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow	0.40 to 0.70	%	ISO 294-4
Water Absorption			ISO 62
24 hr, 23°C	0.45	%	
Saturation, 23°C	1.7	%	
Equilibrium, 23°C, 50% RH	0.35	%	
Mechanical			
	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2600	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	56.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	3.1	%	ISO 527-2/50
Nominal Tensile Strain at Break (23°C)	8.0	%	ISO 527-2/50
Tensile Creep Modulus (1000 hr)	1400	MPa	ISO 899-1
Flexural Strength (23°C)	80.0	MPa	ISO 178
Shear Modulus (23°C)	900	MPa	ISO 537
Impact			
	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	3.0	kJ/m ²	
23°C	12	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	70	kJ/m ²	
23°C	200	kJ/m ²	
Notched Izod Impact (23°C)	80.0	J/m	ASTM D256A
Hardness			
	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	100	MPa	ISO 2039-1
Thermal			
	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	101	°C	ISO 75-2/B
1.8 MPa, Unannealed	97.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	105	°C	ISO 306/A50
--	98.0	°C	ISO 306/B50
CLTE - Flow (23 to 80°C)	0.000080 to 0.00011	cm/cm/°C	ISO 11359-2
Thermal Conductivity	0.17	W/m/K	ISO 8302

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

备注：以上原料物性数据由厂家发布,我公司仅提供参考！数据如有变动，请联系原料生产厂家获知。我公司不承担任何法律责任！

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Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohm·cm	IEC 60093
Relative Permittivity			IEC 60250
23°C, 100 Hz	3.70		
23°C, 1 MHz	3.40		
Dissipation Factor			IEC 60250
23°C, 100 Hz	0.0090		
23°C, 1 MHz	0.025		
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Electric Strength	35	kV/mm	IEC 60243-1

Flammability	Nominal Value	Unit	Test Method
Flame Rating - UL (1.60 mm)	HB		UL 94

Additional Information

The value listed as Thermal Conductivity, ISO 8302, was tested in accordance with DIN 52612-2.
 Maximum Service Temperature (Short Cycle Operation): 85°C

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	240 to 280	°C
Mold Temperature	40.0 to 80.0	°C

Notes

¹ Typical properties: these are not to be construed as specifications.

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