

Luran® 358 N

Styrene Acrylonitrile

BASF Corporation

Product Description			
Luran 358 N is an easy-flowing injection molding SAN grade.			
General			
Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Features	• Good Flow		
Agency Ratings	• FDA Unspecified Rating	• ULC Unspecified Rating	• USP Class VI
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent		
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
Specific Gravity	--	1.08 g/cm ³	ASTM D792
	--	1080 kg/m ³	ISO 1183 ²
Melt volume-flow rate (220°C/10.0 kg)		22.0 cm ³ /10min	ISO 1133 ²
Molding Shrinkage - Flow		0.50 %	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
23°C		3700 MPa	ASTM D638
--		3700 MPa	ISO 527-2 ²
Tensile Strength			
Yield, 23°C		72.0 MPa	ASTM D638
Break		72.0 MPa	ISO 527-2 ²
Nominal strain at break		3.0 %	ISO 527-2 ²
Tensile Creep Modulus			ISO 899-1 ²
1 hr		3500 MPa	
1000 hr		2800 MPa	
Impact	Nominal Value	Unit	Test Method
Charpy notched impact strength (23°C)		2.00 kJ/m ²	ISO 179/1eA ²
Charpy Unnotched Impact Strength			ISO 179
-30°C		16 kJ/m ²	
23°C		16 kJ/m ²	
Notched Izod Impact (23°C)		16.0 J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Annealed		102 °C	ASTM D648
0.45 MPa		102 °C	ISO 75-2 ²
1.8 MPa, Annealed		98.0 °C	ASTM D648
1.8 MPa		98.0 °C	ISO 75-2 ²
Vicat Softening Temperature			
--		106 °C	ASTM D1525 ³
50°C/h, B (50N)		106 °C	ISO 306 ²
CLTE - Flow		0.000070 cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity		> 1.0E+15 ohms	ASTM D257 IEC 60093 ²

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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Tuesday, December 22, 2009

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity			
--	> 1.0E+13	ohm·cm	ASTM D257
--	> 1.0E+11	ohm·m	IEC 60093 ²
Dielectric Constant			
1.00 mm, 1 MHz	2.70		ASTM D150
100 Hz	3.00		IEC 60250 ²
1 MHz	2.70		IEC 60250 ²
Dissipation Factor			IEC 60250 ²
100 Hz	40		
1 MHz	70		
Comparative tracking index	400		IEC 60112 ²
Electric Strength (1.50 mm)	34	kV/mm	IEC 60243-1

Notes

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

² Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

³ Rate A (50°C/h), Loading 1 (10 N)

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