

# Luran® S 776 SE

## Acrylonitrile Styrene Acrylate

### BASF Corporation

Product Description				
Luran S 776 SE is a general purpose extrusion ASA grade with good toughness and strength, used for sheet and profile extrusions.				
General				
Material Status	• Commercial: Active			
Availability	• Europe	• North America		
Additive	• Impact Modifier			
Features	• General Purpose	• Good Toughness		
	• Good Strength	• Impact Modified		
Uses	• General Purpose	• Profiles	• Sheet	
Agency Ratings	• ULC Unspecified Rating			
RoHS Compliance	• RoHS Compliant			
Appearance	• Natural Color			
Forms	• Pellets			
Processing Method	• Blow Molding	• Profile Extrusion	• Thermoforming	
	• Extrusion	• Sheet Extrusion		
Multi-Point Data	• Creep Modulus vs. Time (ISO 11403-1)	• Isothermal Stress vs. Strain (ISO 11403-1)	• Secant Modulus vs. Strain (ISO 11403-1)	
	• Isochronous Stress vs. Strain (ISO 11403-1)			
Physical		Nominal Value	Unit	Test Method
Specific Gravity		1.07	g/cm <sup>3</sup>	ASTM D792
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)		4.00	cm <sup>3</sup> /10min	ASTM D1238
Molding Shrinkage - Flow		0.55	%	ASTM D955
Water Absorption (Saturation, 23°C)		1.7	%	ASTM D570
Mechanical		Nominal Value	Unit	Test Method
Tensile Modulus (23°C)		1650	MPa	ASTM D638
Tensile Strength (Yield, 23°C)		33.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, 23°C)		2.7	%	ASTM D638
Flexural Modulus (23°C)		1660	MPa	ASTM D790
Flexural Strength (23°C)		47.0	MPa	ASTM D790
Impact		Nominal Value	Unit	Test Method
Notched Izod Impact				ASTM D256
-40°C		51.0	J/m	
23°C		260	J/m	
Hardness		Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)		89		ASTM D785
Thermal		Nominal Value	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Annealed		101	°C	
1.8 MPa, Annealed		83.0	°C	
Vicat Softening Temperature		92.0	°C	ASTM D1525 <sup>3</sup>
Electrical		Nominal Value	Unit	Test Method
Surface Resistivity		> 1.0E+13	ohms	ASTM D257
Volume Resistivity		> 1.0E+12	ohm·cm	ASTM D257
Dielectric Constant (1.00 mm, 1 MHz)		3.40		ASTM D150
Optical		Nominal Value	Unit	Test Method
Gardner Gloss (60°)		48		ASTM D523
Injection		Nominal Value	Unit	
Drying Temperature		80.0	°C	
Drying Time		2.0 to 4.0	hr	
Suggested Max Regrind		30	%	
Processing (Melt) Temp		230 to 270	°C	
Mold Temperature		40.0 to 80.0	°C	

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 [www.kedisujiao.com](http://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

**Notes**

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 51 mm/min

<sup>3</sup> Rate A (50°C/h), Loading 2 (50 N)

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