

Luran® S 797 SE

Acrylonitrile Styrene Acrylate

BASF Corporation

Product Description

Luran S 797 SE is an extrusion ASA grade with especially high notched impact strength, used for sheet and profile extrusions. The data representable is based on extruded sheet.

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Additive	• Impact Modifier		
Features	• High Impact Resistance	• Impact Modified	
Uses	• Profiles	• Sheet	
Agency Ratings	• ULC Unspecified Rating		
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Blow Molding • Extrusion	• Profile Extrusion • Sheet Extrusion	• Thermoforming
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
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	5.00	cm ³ /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)	1830	MPa	ASTM D638
Tensile Strength (Yield, 23°C)	40.0	MPa	ASTM D638
Tensile Elongation ² (Yield, 23°C)	2.9	%	ASTM D638
Flexural Modulus (23°C)	1560	MPa	ASTM D790
Flexural Strength (23°C)	57.0	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	57.0	J/m	
23°C	280	J/m	

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Annealed	82.0	°C	ASTM D648
Vicat Softening Temperature	90.0	°C	ASTM D1525 ³

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)	3.30		ASTM D150

Optical	Nominal Value	Unit	Test Method
Gardner Gloss (60°)	91		ASTM D523

Injection	Nominal Value	Unit
Drying Temperature	79.0	°C
Drying Time	2.0 to 4.0	hr
Suggested Max Regrind	30	%

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

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Tuesday, December 22, 2009

Notes

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

² 51 mm/min

³ Rate A (50°C/h), Loading 2 (50 N)

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