

Luran® 368 R

Styrene Acrylonitrile

BASF Corporation

Product Description

General-purpose grade with well-balanced properties intended for both injection molding and extrusion.

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Features	• General Purpose		
Uses	• General Purpose		
Agency Ratings	• FDA Unspecified Rating	• ULC Unspecified Rating	• USP Class VI
RoHS Compliance	• RoHS Compliant		
Appearance	• Amber	• Clear/Transparent	• Natural Color
Forms	• Pellets		
Processing Method	• Extrusion • Injection Molding	• 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)	• Specific Volume vs Temperature (ISO 11403-2) • Viscosity vs. Shear Rate (ISO 11403-2)

Physical	Nominal Value	Unit	Test Method
Specific Gravity	--	1.08 g/cm ³	ASTM D792 ISO 1183
	--	1080 kg/m ³	ISO 1183 ²
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)		10.0 cm ³ /10min	ISO 1133
Molding Shrinkage - Flow		0.50 %	ASTM D955

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
23°C	3800 MPa		ASTM D638
23°C	3700 MPa		ISO 527-2
--	3700 MPa		ISO 527-2 ²
Tensile Strength			
Yield, 23°C	75.0 MPa		ASTM D638
Break, 23°C	75.0 MPa		ISO 527-2
Break	75.0 MPa		ISO 527-2 ²
Nominal Tensile Strain at Break			
23°C	3.0 %		ISO 527-2
--	3.0 %		ISO 527-2 ²
Tensile Creep Modulus			ISO 899-1
1 hr	3500 MPa		
1000 hr	2800 MPa		
Flexural Strength (23°C)	125 MPa		ASTM D790

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			
23°C	2.0 kJ/m ²		ISO 179
23°C	2.00 kJ/m ²		ISO 179/1eA ²
Charpy Unnotched Impact Strength			ISO 179
-30°C	18 kJ/m ²		
23°C	18 kJ/m ²		
Notched Izod Impact (23°C)	15.0 J/m		ASTM D256

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

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	102	°C	ISO 75-2/B
0.45 MPa, Annealed	102	°C	ASTM D648
0.45 MPa	102	°C	ISO 75-2 ²
1.8 MPa, Unannealed	98.0	°C	ISO 75-2/A
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 ISO 306 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+13	ohms	ASTM D257 IEC 60093
Volume Resistivity			
--	> 1.0E+13	ohm·cm	ASTM D257 IEC 60093
--	> 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
1 MHz	2.70		IEC 60250
Dissipation Factor			IEC 60250
100 Hz	40		
1 MHz	70		
Comparative Tracking Index			
--	425	V	IEC 60112
--	425		IEC 60112 ²
Electric Strength (1.50 mm)	34	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating - UL (1.50 mm)	HB		UL 94
UL 746	Nominal Value	Unit	Test Method
RTI Str (1.50 mm)	50.0	°C	UL 746
RTI Imp (1.50 mm)	50.0	°C	UL 746
RTI Elec (1.50 mm)	50.0	°C	UL 746

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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