

Luran® 378 P

Styrene Acrylonitrile

BASF Corporation

Product Description			
Easy-flow grade with enhanced resistance to chemicals.			
General			
Material Status	• Commercial: Active		
Availability	• Europe		
Features	• Good Chemical Resistance • Good Flow		
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Injection Molding		
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) • Shear Modulus vs. Temperature (ISO 11403-2) • Viscosity vs. Shear Rate (ISO 11403-2)
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR)			ISO 1133
200°C/21.6 kg	23.0	cm ³ /10min	
220°C/10.0 kg	20.0	cm ³ /10min	
Molding Shrinkage - Flow	0.30 to 0.70	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3800	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	75.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.5	%	ISO 527-2
Tensile Creep Modulus (1000 hr)	2800	MPa	ISO 899-1
Flexural Strength (23°C)	135	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	19	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	2.00	kJ/m ²	ISO 180/1A
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	85		ISO 2039-2
Ball Indentation Hardness (H 358/30)	175	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	89.0	°C	ISO 75-2/A
Vicat Softening Temperature	107	°C	ISO 306/B50
CLTE - Flow (23 to 80°C)	0.000070	cm/cm°C	ISO 11359-2
Thermal Conductivity	0.17	W/m/K	ISO 8302
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+16	ohm·cm	IEC 60093
Relative Permittivity			IEC 60250
23°C, 100 Hz	3.00		
23°C, 1 MHz	2.70		
Dissipation Factor			IEC 60250
23°C, 100 Hz	0.0050		
23°C, 1 MHz	0.0080		
Electric Strength (23°C, 1.00 mm)	34	kV/mm	IEC 60243-1

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！

Luran® 378 P
Styrene Acrylonitrile
BASF Corporation

Tuesday, December 22, 2009

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

Additional Information

The value listed as Thermal Conductivity, ISO 8302, was tested in accordance with DIN 52612-2.
Electric Strength, IEC 60243-1, K20/P50, 1mm, 23°C: 34 kV/mm
Maximum Service Temperature (Short Cycle Operation): 85°C
Surface Resistivity, IEC 60093, 100V: >1E15 ohm-m
Volume Resistivity, IEC 60093, 100V: 1E14 ohm-m

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	200 to 260	°C
Mold Temperature	40.0 to 80.0	°C

Notes

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

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！