

# Luran® 2580

## Styrene Acrylonitrile

### BASF Corporation

Product Description			
Easy-flow grade, suitable for mouldings with very thin walls and / or adverse flow length to wall ratio.			
General			
Material Status	• Commercial: Active		
Availability	• Europe		
Features	• Good Flow		
Uses	• Thin-walled Parts		
Processing Method	• Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm <sup>3</sup>	ISO 1183
Apparent Density	0.55 to 0.65	g/cm <sup>3</sup>	ISO 60
Melt Volume-Flow Rate (MVR)			ISO 1133
200°C/21.6 kg	27.0	cm <sup>3</sup> /10min	
220°C/10.0 kg	22.0	cm <sup>3</sup> /10min	
Molding Shrinkage - Flow	0.30 to 0.70	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3700	MPa	ISO 527-2
Tensile Stress (Break)	72.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Tensile Creep Modulus (1000 hr)	2800	MPa	ISO 899-1
Flexural Strength	120	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	16	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Izod Impact Strength (23°C)	2.00	kJ/m <sup>2</sup>	ISO 180/1A
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	83		ISO 2039-2
Ball Indentation Hardness (H 358/30)	165	MPa	ISO 2039-1
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	99.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	86.0	°C	ISO 75-2/A
Vicat Softening Temperature	106	°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	DIN 52612
Maximum Service Temperature			
Short Cycle Operation	85	°C	
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
100 Hz	3.00		
1 MHz	2.70		
Dissipation Factor			IEC 60250
100 Hz	0.0040		
1 MHz	0.0070		
Electric Strength <sup>2</sup> (1.00 mm)	34	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating - UL			UL 94
0.800 mm	HB		
1.60 mm	HB		

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)

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Tuesday, December 22, 2009

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	220 to 260	°C
Mold Temperature	40.0 to 80.0	°C

**Notes**

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

<sup>2</sup> K20/P50

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