

# Lustran Elite 1827

Acrylonitrile Butadiene Styrene (ABS)

## TECHNICAL DATASHEET

### DESCRIPTION

Lustran® Elite 1827 resin is an injection molding grade of ABS (acrylonitrile butadiene styrene) for high-heat applications in the automotive market. It provides high heat resistance, low gloss, toughness, and easy flow for processing molded-in color parts.

### FEATURES

- SAE J1685: ABS0111
- High heat resistance
- Low gloss
- Easy flow
- UL 94 HB rated

### APPLICATIONS

- AB pillars
- Door panels
- Console and console trim
- Lamp housings

Property, Test Condition	Standard	Unit	Values
<b>Rheological Properties</b>			
Melt Flow Rate, 230 °C/3.8 kg	ISO 1133	g/10 min	4
Melt Flow Rate, 220 °C/10 kg	ISO 1133	g/10 min	13
<b>Mechanical Properties</b>			
Izod Notched Impact Strength, 23°C (73°F)	ASTM D 256	kJ/m <sup>2</sup>	17.3
Izod Notched Impact Strength, -40°C (-40°F)	ASTM D 256	kJ/m <sup>2</sup>	7.7
<b>Thermal Properties</b>			
Vicat Softening Temperature VST/B/50 (50N, 50°C/h)	ISO 306	°C	101
Vicat Softening Temperature, B/1 ( 120°C/h, 10N)	ASTM D 1525	°C	112
Coefficient of Linear Thermal Expansion	ISO 11359	10 <sup>-6</sup> /°C	82
<b>Other Properties</b>			
Density	ISO 1183	kg/m <sup>3</sup>	1050
<b>Processing</b>			
Drying Temperature		°C	80
Drying Time		h	2-4