

# Lustran 633

Acrylonitrile Butadiene Styrene (ABS)

## TECHNICAL DATASHEET

### DESCRIPTION

Lustran® 633 is a general-purpose injection molding grade of ABS (Acrylonitrile Butadiene Styrene). It offers a good balance of physical properties, high gloss, and good moldability.

### FEATURES

- Good moldability
- High gloss
- High impact strength
- UL 94 HB Rated

### APPLICATIONS

- Consumer goods
- Toys
- Appliances and housings

Property, Test Condition	Standard	Unit	Values
<b>Rheological Properties</b>			
Melt Flow Rate, 230 °C/3.8 kg	ASTM D 1238	g/10 min	4.5
<b>Mechanical Properties</b>			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	6.5
Izod Notched Impact Strength, -40 °C (-40 °F)	ASTM D 256	ft-lb/in	1.2
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	10000
Tensile Modulus	ASTM D 638	psi x 10 <sup>3</sup>	325
Flexural Modulus, 23 °C	ASTM D 790	psi x 10 <sup>3</sup>	315
Flexural Stress at 5% Deflection	ASTM D 790	psi	95000
Hardness, Rockwell	ASTM D 785	R scale	109
<b>Thermal Properties</b>			
Coefficient of Linear Thermal Expansion	ASTM D 696	10 <sup>-4</sup> /°F	0.5
<b>Optical Properties</b>			
Specular Gloss, 60 °	ASTM D 523		90
<b>Other Properties</b>			
Density	ASTM D 792	lb/in <sup>3</sup>	1.05
<b>Processing</b>			

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Property, Test Condition	Standard	Unit	Values
Linear Mold Shrinkage	ASTM D 955	in/in	0.004 - 0.006
Drying Temperature	-	°F	175
Drying Time	-	h	2 - 4