

# Lustran 235

Acrylonitrile Butadiene Styrene (ABS)

## TECHNICAL DATASHEET

### DESCRIPTION

Lustran® 235 is an intermediate-gloss, high-productivity, medium-impact grade of ABS (Acrylonitrile Butadiene Styrene). It offers a good balance of physical properties.

### FEATURES

- Good balance of properties
- Medium gloss
- Medium Impact

### APPLICATIONS

- Housings for small appliances
- Lawn and garden

Property, Test Condition	Standard	Unit	Values
<b>Rheological Properties</b>			
Melt Flow Rate, 230 °C/3.8 kg	ASTM D 1238	g/10 min	6
<b>Mechanical Properties</b>			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	3.1
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	6700
Tensile Modulus	ASTM D 638	psi x 10 <sup>3</sup>	385
Hardness, Rockwell	ASTM D 785	R scale	112
<b>Thermal Properties</b>			
Vicat Softening Temperature, B/1 ( 120 °C/h, 10N)	ASTM D 1525	°F	225
DTUL @ 264 psi - Unannealed	ASTM D 648	°F	174
DTUL @ 264 psi - Annealed	ASTM D 648	°F	206
Coefficient of Linear Thermal Expansion	ASTM D 696	10 <sup>-4</sup> /°F	0.45
<b>Other Properties</b>			
Density	ASTM D 792	lb/in <sup>3</sup>	1.06
<b>Processing</b>			
Linear Mold Shrinkage	ASTM D 955	in/in	0.004 - 0.006
Drying Temperature	-	°F	175
Drying Time	-	h	2 - 4