

# Lustran 682

Acrylonitrile Butadiene Styrene (ABS)

## TECHNICAL DATASHEET

### DESCRIPTION

Lustran® 682 is a high performance, HCFC-141b resistant grade of ABS for injection molded refrigerator and freezer components.

### FEATURES

- HCFC-141b resistant
- High gloss
- UL 94 HB rated

### APPLICATIONS

- Injection molded refrigerator and freezer components

Property, Test Condition	Standard	Unit	Values
<b>Rheological Properties</b>			
Melt Flow Rate, 230 °C/3.8 kg	ASTM D 1238	g/10 min	0.7
Melt Flow Rate, 220 °C/10 kg	ASTM D 1238	g/10 min	5.2
<b>Mechanical Properties</b>			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	3.2
Tensile Stress at Break, 23 °C	ASTM D 638	psi	4641
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	6237
Tensile Modulus	ASTM D 638	psi x 10 <sup>3</sup>	358
Elongation, Failure	ASTM D 638	%	34
Flexural Modulus, 23 °C	ASTM D 790	psi x 10 <sup>3</sup>	367
Hardness, Rockwell	ASTM D 785	R scale	105
<b>Optical Properties</b>			
Specular Gloss, 60 °	ASTM D 523		96
<b>Other Properties</b>			
Density	ASTM D 792	lb/in <sup>3</sup>	1.05
<b>Processing</b>			
Linear Mold Shrinkage	ASTM D 955	in/in	0.004 - 0.006
Drying Temperature	-	°F	175
Drying Time	-	h	2 - 4