

# Lustran 610

Acrylonitrile Butadiene Styrene (ABS)

## TECHNICAL DATASHEET

### DESCRIPTION

Lustran® 610 is a high modulus, extrusion grade resin designed for monolithic refrigerator door and food liners that has been specially formulated to be resistant to both the 4th generation 1233zd blowing agent as well as HFC 245fa PU foam. Lustran ABS 610 offers good melt strength and deep draw formability for superior material distribution in large complex parts.

### FEATURES

- Resistant to the 4th generation 1233zd blowing agent
- Resistant to HFC 245fa PU foam
- Good melt strength for deep draw formability
- Medium Gloss

### APPLICATIONS

- Refrigerator doors and food liners.

Property, Test Condition	Standard	Unit	Values
<b>Rheological Properties</b>			
Melt Flow Rate, 230 °C/3.8 kg	ASTM D 1238	g/10 min	-
<b>Mechanical Properties</b>			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	8.0
Izod Notched Impact Strength, -18 °C (0 °F)	ASTM D 256	ft-lb/in	4.0
Tensile Stress at Break, 23 °C	ASTM D 638	psi	4800
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	5300
Tensile Modulus	ASTM D 638	psi x 10 <sup>3</sup>	315
<b>Thermal Properties</b>			
Vicat Softening Temperature, B/1 ( 120 °C/h, 10N)	ASTM D 1525	°F	-
DTUL @ 264 psi - Annealed	ASTM D 648	°F	208
<b>Processing</b>			
Drying Temperature		°F	175
Drying Time		h	2-4