

**Lustran® 682**

ABS

INEOS Styrolution

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>0.7</b>	g/10min	ASTM D 1238
Temperature	<b>230</b>	°C	-
Load	<b>3.8</b>	kg	-
Mold Shrinkage, MD	<b>0.005</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	<b>2468</b>	MPa	ASTM D 638
Tensile Strength at Yield	<b>43</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>32</b>	MPa	ASTM D 638
Elongation at Break	<b>34</b>	%	ASTM D 638
Flexural Modulus	<b>2530</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 105</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>171</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>79.4</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Mold temperature	<b>43.3 - 65.6</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Features**

High Gloss

**Applications**

Refrigeration

**Regional Availability**

North America, South and Central America