

**Product Texts**

Lustran® E112LG is a very low-gloss, medium impact ABS (acrylonitrile butadiene styrene) designed for extrusion/thermoforming applications. It provides a consistent low-gloss appearance in both mono-layer and co-extruded applications.

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	7	cm <sup>3</sup> /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955

[C]: CAMPUS

**Mechanical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	1600	MPa	ISO 527
<sup>[C]</sup> Yield stress	28	MPa	ISO 527
<sup>[C]</sup> Yield strain	2.9	%	ISO 527
<sup>[C]</sup> Charpy notched impact strength, +23°C	11	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	9	kJ/m <sup>2</sup>	ISO 179/1eA
<b>ASTM Data</b>			
Tensile Modulus	1517	MPa	ASTM D 638
Tensile Strength at Yield	19.3	MPa	ASTM D 638
Tensile Strength at Break	22.1	MPa	ASTM D 638
Flexural Modulus	1448	MPa	ASTM D 790
Izod Impact notched, 1/8 in	107	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	53.4	J/m	ASTM D 256
Temperature	-40	°C	-

[C]: CAMPUS

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Vicat softening temperature, B	95	°C	ISO 306
<b>ASTM Data</b>			
Coefficient of Thermal Expansion, MD	97.2	E-6/K	ASTM D 696
DTUL @ 66 psi	96.1	°C	ASTM D 648
DTUL @ 264 psi	86.1	°C	ASTM D 648

[C]: CAMPUS

**Other properties**

	Value	Unit	Test Standard
<sup>[C]</sup> Density	1040	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Processing Recommendation Extrusion**

	Value	Unit	Test Standard
Type of extrusion	profile	-	-
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	215 - 240	°C	-
Type of extrusion	sheet	-	-
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	215 - 240	°C	-

**Characteristics**

**Processing**

Profile Extrusion, Sheet Extrusion, Other Extrusion, Thermoforming

**Delivery form**

Pellets

**Features**

Melt Strength

**Applications**

Automotive

**Regional Availability**

North America, Europe, South and Central America, Near East/Africa

**Other text information****Profile extrusion**

PREPROCESSING

Pre-drying, Temperature: 80°C

Pre-drying, Time: 2 - 4h

PROCESSING

Profiles, Melt temperature: 215 - 240°C

**Sheet extrusion**

PREPROCESSING

Pre-drying, Temperature: 80°C

Pre-drying, Time: 2 - 4h

PROCESSING

Sheets, Melt temperature: 215 - 240°C