

**Lustran® 1152**

ABS

INEOS Styrolution

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
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>1517</b>	MPa	ASTM D 638
Tensile Strength at Yield	<b>31</b>	MPa	ASTM D 638
Flexural Modulus	<b>1793</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 93</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>491</b>	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	<b>224</b>	J/m	ASTM D 256
Temperature	<b>-40</b>	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Coefficient of Thermal Expansion, MD	<b>104</b>	E-6/K	ASTM D 696
DTUL @ 66 psi	<b>89.4</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>82.2</b>	°C	ASTM D 648

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	<b>79.4</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Melt temperature	<b>216 - 249</b>	°C	-
Zone 1	<b>216 - 241</b>	°C	-

**Characteristics****Processing**

Other Extrusion, Thermoforming

**Special Characteristics**

High impact or impact modified

**Applications**

Automotive, Building Construction

**Regional Availability**

North America, South and Central America