

**Estaloc® 59300 RETPU**

TPU-X

Lubrizol Advanced Materials Spain S.L.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.001</b>	mm/mm	ASTM D 955
Mold Shrinkage, TD	<b>0.0004</b>	mm/mm	ASTM D 955

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>3654</b>	MPa	ASTM D 638
Tensile Strength	<b>82.7</b>	MPa	ASTM D 638
Flexural Modulus	<b>2896</b>	MPa	ASTM D 790
Flexural Strength	<b>89.6</b>	MPa	ASTM D 790
Shore D Hardness	<b>75</b>	-	ASTM D 2240
Izod Impact notched, 1/8 in	<b>427</b>	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	<b>128</b>	J/m	ASTM D 256
Temperature	<b>-40</b>	°C	-

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1450</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Regional Availability**

North America, Europe, Asia Pacific