

**Isoplast® 101 ETP**

TPU

Lubrizol Advanced Materials Spain S.L.

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>1500</b>	MPa	ASTM D 638
Tensile Strength at Yield	<b>48</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>48</b>	MPa	ASTM D 638
Elongation at Yield	<b>6</b>	%	ASTM D 638
Elongation at Break	<b>160</b>	%	ASTM D 638
Flexural Modulus	<b>1800</b>	MPa	ASTM D 790
Flexural Strength	<b>68</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 116</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>1280</b>	J/m	ASTM D 256
Izod Impact notched, 1/4 in	<b>1100</b>	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	<b>160</b>	J/m	ASTM D 256
Temperature	<b>-40</b>	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Coefficient of Thermal Expansion, MD	<b>81</b>	E-6/K	ASTM D 696
DTUL @ 66 psi	<b>71</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>60</b>	°C	ASTM D 648
Vicat Temperature	<b>89</b>	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	<b>0.17</b>	%	ASTM D 570
Density	<b>1190</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific