

**Polifil® 627L**

PA66

The Plastics Group of America

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.015</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Modulus	<b>1793</b>	MPa	ASTM D 638
Tensile Strength	<b>46.9</b>	MPa	ASTM D 638
Elongation at Yield	<b>7</b>	%	ASTM D 638
Elongation at Break	<b>80</b>	%	ASTM D 638
Flexural Modulus	<b>1710</b>	MPa	ASTM D 790
Flexural Strength	<b>53.8</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 105</b>	-	ASTM D 785
Gardner Impact	<b>22.6</b>	J	ASTM D 2794,4226,5420
Izod Impact notched, 1/8 in	<b>854</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>204</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>60</b>	°C	ASTM D 648
<b>Other properties</b>			
Water Absorption, 24hr	<b>1.3</b>	%	ASTM D 570
Density	<b>1080</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Features**

Low Odor

**Chemical Resistance**

General Chemical Resistance

**Regional Availability**

North America