

**PA66-C111**

PA66

Kingfa Sci. &amp; Tech.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.0155</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength	<b>48</b>	MPa	ASTM D 638
Elongation at Break	<b>50</b>	%	ASTM D 638
Flexural Modulus	<b>1750</b>	MPa	ASTM D 790
Flexural Strength	<b>72</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 109</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>846</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>1.6</b>	mm	-
DTUL @ 66 psi	<b>237</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>63</b>	°C	ASTM D 648
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Volume Resistivity	<b>&gt;1E15</b>	Ohm*cm	ASTM D 257
<b>Other properties</b>			
Water Absorption, 24hr	<b>0.6</b>	%	ASTM D 570
Density	<b>1080</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

High impact or impact modified

**Features**

Low Warpage

**Applications**

Automotive, Sports Equipment

**Regional Availability**

Asia Pacific