

**HNB0225**

(PA6+ABS)

Shanghai Kumho Sunny Plastics Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	<b>40</b>	g/10min	ISO 1133
Temperature	<b>240</b>	°C	-
Load	<b>10</b>	kg	-
Molding shrinkage, parallel	<b>0.7</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Yield stress	<b>45</b>	MPa	ISO 527
Flexural modulus, 23°C	<b>2000</b>	MPa	ISO 178
Flexural strength	<b>65</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>50</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength	<b>20</b>	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	<b>-30</b>	°C	-
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 0.45 MPa	<b>90</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>102</b>	°C	ISO 306
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>1.6</b>	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	<b>1E14</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>1E14</b>	Ohm	IEC 62631-3-2
<b>Other properties</b>			
Density	<b>1070</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>80 - 90</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>220 - 230</b>	°C	-
Mold temperature	<b>60 - 90</b>	°C	-
Zone 1	<b>190 - 210</b>	°C	-
Zone 2	<b>210 - 230</b>	°C	-
Zone 3	<b>210 - 230</b>	°C	-
Nozzle temperature	<b>220 - 240</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Asia Pacific

**Special Characteristics**

High impact or impact modified