

**Amodel® A-8950 HS**

PPA-GF50

Syensqo

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.002</b>	mm/mm	ASTM D 955
Mold Shrinkage, TD	<b>0.007</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>19000</b>	MPa	ISO 527
Stress at break	<b>275</b>	MPa	ISO 527
Strain at break	<b>2.1</b>	%	ISO 527
Charpy impact strength, +23°C	<b>90</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	<b>75</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>11</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	<b>11</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>325</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>295</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>310</b>	°C	ISO 75-1/-2
<b>Other properties</b>			
Density	<b>1650</b>	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	<b>0.15</b>	%	ASTM D 570
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>120</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.06</b>	%	-
Melt temperature	<b>321 - 343</b>	°C	-
Mold temperature	<b>150</b>	°C	-
Zone 1	<b>316 - 329</b>	°C	-
Zone 2	<b>316 - 329</b>	°C	-
Zone 3	<b>324 - 335</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Creep Resistance

**Chemical Resistance**

General Chemical Resistance

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa