

**Amodel® A-1625 HS**

PPA-(GF+CF)25

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.4	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	15000	MPa	ISO 527
Tensile Strength	205	MPa	ISO 527
Yield strain	2	%	ISO 527
Strain at break	2.4	%	ISO 527
Flexural modulus, 23°C	13500	MPa	ISO 178
Izod impact strength, +23°C	50	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	11	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	8	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	-40	°C	-

ASTM Data	Value	Unit	Test Standard
Tensile Modulus	15200	MPa	ASTM D 638
Tensile Strength	205	MPa	ASTM D 638
Elongation at Break	2.5	%	ASTM D 638
Izod Impact notched, 1/8 in	120	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	275	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	285	°C	ISO 75-1/-2
<b>ASTM Data</b>			
DTUL @ 264 psi	270	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water absorption	0.25	%	Sim. to ISO 62
Density	1320	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.32	%	ASTM D 570

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.06	%	-
Melt temperature	320 - 330	°C	-
Mold temperature	135	°C	-
Zone 1	310	°C	-
Zone 3	320	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Black

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Creep Resistance

**Chemical Resistance**

General Chemical Resistance

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

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