

**Amodel® A-4133 HH**

PPA-GF35

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.01	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	12600	MPa	ISO 527
Stress at break	214	MPa	ISO 527
Strain at break	2.1	%	ISO 527
Flexural modulus, 23°C	11100	MPa	ISO 178
Flexural strength	279	MPa	ISO 178
Charpy impact strength, +23°C	60	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	8	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	52	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	9	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Compressive Strength	161	MPa	ASTM D 695

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	327	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	285	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1490	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.5	%	ASTM D 570

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.045	%	-
Melt temperature	330 - 335	°C	-
Mold temperature	66 - 140	°C	-
Zone 1	318 - 324	°C	-
Zone 2	318 - 324	°C	-
Zone 3	327 - 332	°C	-
Injection speed	76 - 102	mm/s	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Creep Resistance, Weldable

**Chemical Resistance**

General Chemical Resistance

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

North America, Europe