

Amodel® A-4133 HH BK 311

PPA-GF35

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
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
ISO Data			
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 ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	52	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	9	kJ/m ²	ISO 180/1A
ASTM Data			
Compressive Strength	161	MPa	ASTM D 695

Thermal properties	Value	Unit	Test Standard
ISO Data			
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 ³	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, Black

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