

Amodel® AE-1133 HFFR BK 324
PPA-GF33

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.42	mm/mm	ASTM D 955
Mold Shrinkage, TD	1.1	mm/mm	ASTM D 955

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	13000	MPa	ISO 527
Tensile Strength	160	MPa	ISO 527
Strain at Break	2.1	%	ISO 527
Impact Strength (Charpy), +23°C	49	kJ/m²	ISO 179/1eU
Flexural strength	250	MPa	ISO 178

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	310	°C	ISO 11357-1/-3
Glass Transition Temperature (10°C/min)	120	°C	ISO 11357-1/-2
Thickness tested	1.6	mm	-
Thickness tested	0.8	mm	-
Burning Behav. at 1.5 mm Nom. Thickn.	V-0	class	UL 94
Burning Behav. at thickness h	V-0	class	UL 94

Electrical Properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	750	-	Producer Method

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1500	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.06	%	-
Melt temperature	321 - 343	°C	-
Mold temperature	135	°C	-
Zone 1	304 - 318	°C	-
Zone 2	316 - 329	°C	-

Characteristics
Processing

Injection Molding

Features

Creep Resistance

Delivery form

Pellets, Black

Chemical Resistance

General Chemical Resistance

Special Characteristics

Flame retardant, Halogen-free, Heat aging stabilized

Applications

Automotive, Electrical and Electronical