

Amodel® AS-1933 HS

PPA-GF33

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	12600	MPa	ISO 527
Stress at break	212	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Flexural modulus, 23°C	10600	MPa	ISO 178
Charpy impact strength, +23°C	76	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	9.5	kJ/m ²	ISO 180/1A

ASTM Data			
Tensile Modulus	11700	MPa	ASTM D 638
Tensile Strength at Break	221	MPa	ASTM D 638
Elongation at Break	2.5	%	ASTM D 638
Flexural Modulus	10800	MPa	ASTM D 790
Izod Impact notched, 1/8 in	91	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	312	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	278	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 264 psi	277	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1450	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.1	%	-
Melt temperature	321 - 343	°C	-
Mold temperature	135	°C	-
Feed temperature	79	°C	-
Zone 1	304 - 318	°C	-
Zone 2	316 - 329	°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, IT / Business Machine

Regional Availability

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