

Amodel® A-1933 HSL

PPA-GF33

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	1.0	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.01	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	11500	MPa	ISO 527
Yield stress	195	MPa	ISO 527
Strain at break	1.8	%	ISO 527
Flexural modulus, 23°C	10300	MPa	ISO 178
Charpy notched impact strength, +23°C	8.2	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	8.1	kJ/m ²	ISO 180/1A
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	323	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	295	°C	ISO 75-1/-2
Other properties			
Density	1490	kg/m ³	ISO 1183
Water Absorption, 24hr	0.19	%	ASTM D 570
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.045	%	-
Melt temperature	331 - 352	°C	-
Mold temperature	150	°C	-
Zone 1	313 - 330	°C	-
Zone 2	326 - 339	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black

Additives

Lubricants, Release agent

Special Characteristics

Heat stabilized or stable to heat

Features

Creep Resistance

Chemical Resistance

General Chemical Resistance

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific, Near East/Africa