

Amodel® A-1133 NL WH 505

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
ASTM Data			
Tensile Modulus	12400	MPa	ASTM D 638
Tensile Strength at Break	179	MPa	ASTM D 638
Elongation at Break	1.8	%	ASTM D 638
Flexural Modulus	11700	MPa	ASTM D 790
Rockwell Hardness	R 125	-	ASTM D 785
Izod Impact notched, 1/8 in	37	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	310	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	271	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1540	kg/m ³	ISO 1183
Water Absorption, 24hr	0.16	%	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	321 - 343	°C	-
Mold temperature	135	°C	-
Zone 1	304 - 318	°C	-
Zone 2	316 - 329	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, White

Features

Color Stability

Chemical Resistance

General Chemical Resistance

Applications

Automotive, Electrical and Electronical

Regional Availability

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