

**Amodel® A-4422 LS WH118**

PPA-MX22

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	9100	MPa	ISO 527
Strain at break	1.3	%	ISO 527
Flexural modulus, 23°C	7790	MPa	ISO 178
Izod notched impact strength, +23°C	2.9	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Strength	102	MPa	ASTM D 638

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	324	°C	ISO 11357-1/-3
Temp. of deflection under load, 0.45 MPa	306	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1600	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.2	%	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	329 - 343	°C	-
Mold temperature	66 - 93	°C	-
Zone 1	318 - 324	°C	-
Zone 2	327 - 332	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, White

**Special Characteristics**

Light stabilized or stable to light, Heat stabilized or stable to heat

**Features**

Color Stability, High Crystallinity

**Chemical Resistance**

General Chemical Resistance

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

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