

**Veradel® AG-320**

PESU-GF20

Syensqo

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>6</b>	g/10min	ASTM D 1238
Temperature	<b>343</b>	°C	-
Load	<b>2.16</b>	kg	-
Mold Shrinkage, MD	<b>0.004</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Modulus	<b>5690</b>	MPa	ASTM D 638
Tensile Strength at Yield	<b>109</b>	MPa	ASTM D 638
Elongation at Break	<b>3.2</b>	%	ASTM D 638
Flexural Modulus	<b>6550</b>	MPa	ASTM D 790
Flexural Strength	<b>162</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>59</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>0.787</b>	mm	-
Coefficient of Thermal Expansion, MD	<b>31</b>	E-6/K	ASTM D 696
DTUL @ 264 psi	<b>214</b>	°C	ASTM D 648
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Dielectric Strength, Short Time	<b>17</b>	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	<b>0.0015</b>	-	ASTM D 150
Dissipation Factor, 1 MHz	<b>0.0081</b>	-	ASTM D 150
Dielectric Constant, 60 Hz	<b>3.84</b>	-	ASTM D 150
Dielectric Constant, 1 MHz	<b>3.88</b>	-	ASTM D 150
Volume Resistivity	<b>&gt;1E15</b>	Ohm*cm	ASTM D 257
<b>Other properties</b>			
Water Absorption, 24hr	<b>0.45</b>	%	ASTM D 570
Density	<b>1510</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>149 - 177</b>	°C	-
Pre-drying - Time	<b>2.5 - 4</b>	h	-
Melt temperature	<b>343 - 399</b>	°C	-
Mold temperature	<b>149 - 163</b>	°C	-
Back pressure	<b>0.345 - 0.689</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

Flame retardant, Heat stabilized or stable to heat

**Features**

Creep Resistance, Good Adhesion, Thermal Stability

**Chemical Resistance**

Acid Resistance, General Chemical Resistance, Hydrolytically Stable

**Certifications**

Food contact

**Regional Availability**

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