Veradel® 3320GF

PESU-GF20 Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	**0.003**	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	**7000**	MPa	ASTM D 638
Tensile Strength	**120**	MPa	ASTM D 638
Elongation at Break	**2.8**	%	ASTM D 638
Flexural Modulus	**6500**	MPa	ASTM D 790
Flexural Strength	**170**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**70**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	**V-0**	-	UL 94
Thickness tested	**0.8**	mm	-
Coefficient of Thermal Expansion, MD	**25**	E-6/K	ASTM D 696
DTUL @ 264 psi	**210**	°C	ASTM D 648
Limiting Oxygen Index	**42**	%	ASTM D 2863

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	**20**	kV/mm	ASTM D 149
Surface Resistivity	**1E14**	Ohm	ASTM D 257
Volume Resistivity	**1E16**	Ohm*cm	ASTM D 257
Arc Resistance	**110**	s	ASTM D 495
Other Standards[S]			
Comparative tracking index	**150**	-	UL 746A

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	**0.5**	%	ASTM D 570
Density	**1490**	kg/m³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**150**	°C	-
Pre-drying - Time	**3**	h	-
Melt temperature	**340 - 380**	°C	-
Mold temperature	**120 - 160**	°C	-
Screw speed	**20 - 50**	rpm	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Nozzle temperature	**300 - 320**	°C	-

Characteristics

Processing
Injection Molding, Other Extrusion

Delivery form
Pellets

Special Characteristics
Flame retardant, Opaque

Chemical Resistance
Acid Resistance, General Chemical Resistance, Hydrolytically Stable

Certifications
RoHS compliant

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

Features
Creep Resistance, Good Adhesion