

Veradel® 3100

PESU

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	11.5	g/10min	ASTM D 1238
Temperature	380	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2600	MPa	ASTM D 638
Tensile Strength	91	MPa	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Flexural Modulus	2700	MPa	ASTM D 790
Flexural Strength	124	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	57	E-6/K	ASTM D 696
DTUL @ 264 psi	200	°C	ASTM D 648
Melting Temperature	225	°C	ASTM D 3418
Limiting Oxygen Index	40	%	ASTM D 2863

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	16	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.004	-	ASTM D 150
Dielectric Constant, 60 Hz	3.2	-	ASTM D 150
Surface Resistivity	1E14	Ohm	ASTM D 257
Volume Resistivity	1E16	Ohm*cm	ASTM D 257
Arc Resistance	50	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.56	%	ASTM D 570
Density	1370	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	177	°C	-
Pre-drying - Time	2.5	h	-
Melt temperature	343 - 385	°C	-
Mold temperature	149 - 163	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Delivery form

Powder

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

Applications

General Purpose

Regional Availability

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