Veradel® LTG-3301

PESU Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**30**	g/10min	ISO 1133
Temperature	**380**	°C	-
Load	**2.16**	kg	-
ASTM Data			
Melt Flow Index, MFI	**30**	g/10min	ASTM D 1238
Temperature	**380**	°C	-
Load	**2.16**	kg	-
Mold Shrinkage, MD	**0.006**	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2800**	MPa	ISO 527
Yield stress	**88**	MPa	ISO 527
Yield strain	**6.7**	%	ISO 527
Flexural modulus, 23°C	**2750**	MPa	ISO 178
Charpy impact strength, +23°C	**N**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**7.7**	kJ/m²	ISO 179/1eA
Izod impact strength, +23°C	**N**	kJ/m²	ISO 180/1U
Izod notched impact strength, +23°C	**6.4**	kJ/m²	ISO 180/1A
ASTM Data			
Tensile Modulus	**2650**	MPa	ASTM D 638
Tensile Strength	**82.7**	MPa	ASTM D 638
Elongation at Yield	**6.5**	%	ASTM D 638
Flexural Modulus	**2900**	MPa	ASTM D 790
Flexural Strength	**111**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**85**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**213**	°C	ISO 75-1/-2
Vicat softening temperature, A	**217**	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	**V-0**	class	IEC 60695-11-10
Thickness tested	**0.8**	mm	-
ASTM Data			
Coefficient of Thermal Expansion, MD	**49**	E-6/K	ASTM D 696
DTUL @ 264 psi	**204**	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	**15**	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	**0.0017**	-	ASTM D 150
Dissipation Factor, 1 MHz	**0.0056**	-	ASTM D 150
Dielectric Constant, 60 Hz	**3.51**	-	ASTM D 150
Dielectric Constant, 1 MHz	**3.54**	-	ASTM D 150
Volume Resistivity	**>1E15**	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	**1370**	kg/m³	ISO 1183
Water Absorption, 24hr	**0.54**	%	ASTM D 570
Density	**1370**	kg/m³	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	**138 - 163**	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Pellets

Special Characteristics
Heat stabilized or stable to heat

Features
Creep Resistance, Thermal Stability

Applications
Automotive, Electrical and Electronical

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