

**Acudel® 22000**

PPSU

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	12	g/10min	ASTM D 1238
Temperature	380	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.007	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	2690	MPa	ASTM D 638
Tensile Strength	77.2	MPa	ASTM D 638
Elongation at Yield	6.7	%	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Flexural Modulus	2758	MPa	ASTM D 790
Izod Impact notched, 1/8 in	110	J/m	ASTM D 256

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dielectric Strength, Short Time	18.5	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.008	-	ASTM D 150
Dielectric Constant, 1 MHz	3.4	-	ASTM D 150
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.3	%	ASTM D 570
Density	1280	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	177	°C	-
Pre-drying - Time	2.5	h	-
Melt temperature	360 - 391	°C	-
Mold temperature	138 - 163	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Black, Natural Color

**Special Characteristics**

Flame retardant, High impact or impact modified, Heat stabilized or stable to heat

**Features**

Thermal Stability

**Chemical Resistance**

Acid Resistance, General Chemical Resistance, Environmental Stress Crack Resistance, Hydrolytically Stable

**Certifications**

Food contact, Drinking water contact, Drinking water contact NSF 61

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America