

**Radel® R-7300**

PPSU

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	16	g/10min	ASTM D 1238
Temperature	380	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	2790	MPa	ASTM D 638
Tensile Strength	75.8	MPa	ASTM D 638
Elongation at Break	40	%	ASTM D 638
Flexural Modulus	2760	MPa	ASTM D 790
Flexural Strength	110	MPa	ASTM D 790
Izod Impact notched, 1/8 in	80	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
DTUL @ 264 psi	182	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.3	%	ASTM D 570
Density	1360	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	149	°C	-
Pre-drying - Time	4	h	-
Melt temperature	366 - 388	°C	-
Mold temperature	107 - 163	°C	-
Zone 1	354 - 371	°C	-
Zone 2	360 - 377	°C	-
Zone 3	366 - 382	°C	-
Nozzle temperature	360 - 377	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

Flame retardant, High impact or impact modified

**Features**

Low Emission, Low Smoke

**Chemical Resistance**

General Chemical Resistance, Environmental Stress Crack Resistance

**Applications**

Aircraft and Aerospace

**Regional Availability**

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