

Radel® R-7159 NT50

PPSU

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	22	g/10min	ASTM D 1238
Temperature	380	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2280	MPa	ASTM D 638
Tensile Strength at Yield	74.5	MPa	ASTM D 638
Elongation at Break	40	%	ASTM D 638
Flexural Modulus	2480	MPa	ASTM D 790
Flexural Strength	101	MPa	ASTM D 790
Izod Impact notched, 1/8 in	130	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	200	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1350	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	149 - 177	°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, Natural Color

Special Characteristics

Flame retardant

Features

Low Emission, Low Smoke

Chemical Resistance

General Chemical Resistance

Applications

Aircraft and Aerospace

Regional Availability

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