Radel® R-7159 BU7923

PPSU Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	**19**	g/10min	ASTM D 1238
Temperature	**380**	°C	-
Load	**2.16**	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	**2410**	MPa	ASTM D 638
Tensile Strength at Yield	**68.9**	MPa	ASTM D 638
Elongation at Break	**10**	%	ASTM D 638
Flexural Modulus	**2410**	MPa	ASTM D 790
Flexural Strength	**103**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**210**	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	**1430**	kg/m³	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

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