

PARYLS® F1150

PPSU

UJU

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	15	g/10min	ISO 1133
Temperature	365	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2330	MPa	ISO 527
Tensile Strength	76	MPa	ISO 527
Yield strain	7.5	%	ISO 527
Flexural modulus, 23°C	2480	MPa	ISO 178
Izod notched impact strength, +23°C	72	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Glass transition temperature, 10°C/min	220	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	206	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Yellow Card available	yes	-	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Surface resistivity	1E15	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1290	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150 - 180	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	340 - 385	°C	-
Mold temperature	170 - 200	°C	-
Zone 1	340 - 360	°C	-
Zone 2	350 - 370	°C	-
Zone 3	365 - 385	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Transparent

Features

Ductile

Certifications

Food contact, Food approval FDA 21 CFR, Drinking water contact NSF 61

Applications

Aircraft and Aerospace, Medical, Packaging

Regional Availability

North America, Asia Pacific