

**PARYLS® F1250**

PPSU

UJU

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	25	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
<b>ISO Data</b>			
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	70	kJ/m <sup>2</sup>	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
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
<b>ISO Data</b>			
Surface resistivity	1E15	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1290	kg/m <sup>3</sup>	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