PARYLS® F1350

PPSU UJU

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**35**	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	**75**	MPa	ISO 527
Yield strain	**7.5**	%	ISO 527
Flexural modulus, 23°C	**2480**	MPa	ISO 178
Izod notched impact strength, +23°C	**68**	kJ/m²	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/m³	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