



Paryls Polysulfones (UJU-PSU)

Properties

Properties	Test Standard	Test Condition	S.I. Unit	F3050	F3150	F3250
Density	ISO 1183 -1		g/cm ³	1.24	1.24	1.24
Melt Mass-flow Rate	ISO 1133	365°C/5kg	g/10min	15	25	35
Tensile Strength	ISO 527 -1/-2	10mm/min	MPa	65	68	68
Tensile Modulus	ISO 527 -1/-2	10mm/min	MPa	2800	2800	2800
Elongation at yield	ISO 527 -1/-2	10min/mm	%	22	22	22
Flexural Strength	ISO 178	2mm/min	MPa	108	108	108
Flexural Modulus	ISO 178	2mm/min	MPa	2500	2500	2500
Izod Notched Impact Strength	ISO 180/1A	23°C	kJ/m ²	6.0	6.0	6.0
Tg	ISO 11357 -3		°C	185	185	185
HDT	ISO 75 -1/-2	1.80 MPa	°C	172	172	172
Surface Resistivity	IEC 60093		Ω	10 ¹⁵	10 ¹⁵	10 ¹⁵
Molding Shrinkage	ISO 294-4		%	0.3-0.4	0.3-0.4	0.3-0.4
Water Absorption	ISO 62	23°C/24hr	%	0.3	0.3	0.3
Flammability	UL94	0.75 - 3.00mm	Class	V-1	V-1	V-1

Typical Processing Conditions for Paryls Polysulfones (UJU-PSU)

		Optimum	Range
Melt Temp		270C	250-290C
	Rear	300C	280-310C
Barrrel Zone Temp	Center	310C	300-320C
	Front	320C	310-340C
Mold Temp		130C	120-160C
Processing Temp (Upper Limit)		400C	
Injection Speed		Moderate to High	
Pre-dry Requirements		150-180C, 4-6 hrs	

Regulatory Approvals

