

IUPIACE JBS70

(PPE+PS)

Mitsubishi Engineering-Plastics Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	7.5	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2400	MPa	ISO 527
Yield stress	70	MPa	ISO 527
Yield strain	5	%	ISO 527
Strain at break	20	%	ISO 527
Flexural modulus, 23°C	2400	MPa	ISO 178
Flexural strength	105	MPa	ISO 178
Charpy notched impact strength, +23°C	26	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	130	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	145	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	55	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	58	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Yellow Card available	yes	-	-
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	2.0	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	3E14	Ohm*m	IEC 62631-3-1
Surface resistivity	2E15	Ohm	IEC 62631-3-2
Comparative tracking index	250	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	0.07	%	Sim. to ISO 62
Density	1100	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 120	°C	-
Pre-drying - Time	2 - 4	h	-
Mold temperature	80 - 110	°C	-
Zone 1	250 - 280	°C	-
Zone 2	270 - 300	°C	-
Zone 3	270 - 300	°C	-
Nozzle temperature	270 - 300	°C	-
Screw speed	60 - 150	rpm	-
Injection pressure	20 - 150	MPa	-

Characteristics**Processing**

Injection Molding

Applications

Automotive, Electrical and Electronical, General Purpose

Special Characteristics

Flame retardant

Regional Availability

North America, Europe, Asia Pacific, South and Central America,
Near East/Africa