

IUPIACE TX903B

(PPE+PS)

Mitsubishi Engineering-Plastics Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	2.5	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	2.16	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	2400	MPa	ISO 527
Yield stress	60	MPa	ISO 527
Strain at break	40	%	ISO 527
Flexural modulus, 23°C	2350	MPa	ISO 178
Flexural strength	90	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	32	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	145	°C	ISO 75-1/-2
Other properties			
ISO Data			
Water absorption	0.06	%	Sim. to ISO 62
Density	1090	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
ISO Data			
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

Special Characteristics

High impact or impact modified

Features

Creep Resistance

Applications

Automotive, Electrical and Electronical, General Purpose

Regional Availability

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