

**IUPIACE LV40**

(PPE+PS)

Mitsubishi Engineering-Plastics Corporation

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	<b>16</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>300</b>	°C	-
Load	<b>2.16</b>	kg	-
Molding shrinkage, parallel	<b>0.6</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.6</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Yield stress	<b>60</b>	MPa	ISO 527
Strain at break	<b>20</b>	%	ISO 527
Flexural modulus, 23°C	<b>2550</b>	MPa	ISO 178
Flexural strength	<b>97</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>12</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>100</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>115</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>63</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>66</b>	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	<b>V-1</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-
Yellow Card available	<b>yes</b>	-	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	<b>3E14</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>2E15</b>	Ohm	IEC 62631-3-2
<b>Other properties</b>			
Water absorption	<b>0.07</b>	%	Sim. to ISO 62
Density	<b>1100</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>70 - 80</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Mold temperature	<b>50 - 90</b>	°C	-
Zone 1	<b>230 - 260</b>	°C	-
Zone 2	<b>250 - 280</b>	°C	-
Zone 3	<b>250 - 280</b>	°C	-
Nozzle temperature	<b>240 - 260</b>	°C	-
Screw speed	<b>60 - 150</b>	rpm	-
Injection pressure	<b>20 - 150</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant

**Applications**

Automotive, Electrical and Electronical, General Purpose

**Regional Availability**

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