

**Reny 1521AH**

PAMXD6-GF50

Mitsubishi Engineering-Plastics Corporation

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	0.5 / *	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	20600 / 19000	MPa	ISO 527
Stress at break	215 / 180	MPa	ISO 527
Strain at break	1.5 / 1.7	%	ISO 527
Flexural modulus, 23°C	18900 / 15700	MPa	ISO 178
Flexural strength	339 / 267	MPa	ISO 178
Charpy impact strength, +23°C	49 / 47	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	9.3 / 9.1	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	228 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	238 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-
Yellow Card available	yes / *	-	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Electric strength	20 / -	kV/mm	IEC 60243-1
Comparative tracking index	350 / -	-	IEC 60112
<b>Other properties</b>			
Humidity absorption	1.1 / *	%	Sim. to ISO 62
Density	1730 / -	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3	h	-
Mold temperature	120 - 140	°C	-
Zone 1	265	°C	-
Zone 2	270	°C	-
Zone 3	275	°C	-
Nozzle temperature	275	°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