

**Reny C-56**

PAMXD6-CF50

Mitsubishi Engineering-Plastics Corporation

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	7 / *	cm <sup>3</sup> /10min	ISO 1133
Temperature	280 / *	°C	-
Load	5 / *	kg	-
Melt flow index, MFI	10	g/10min	ISO 1133
Temperature	280	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.3 / *	%	ISO 294-4, 2577

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	45000 / 43800	MPa	ISO 527
Stress at break	304 / 227	MPa	ISO 527
Strain at break	0.6 / 0.6	%	ISO 527
Flexural modulus, 23°C	43000 / 41300	MPa	ISO 178
Flexural strength	517 / 443	MPa	ISO 178
Charpy impact strength, +23°C	50 / 33	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	6 / 6	kJ/m <sup>2</sup>	ISO 179/1eA

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	232 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	237 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	6 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	50 / *	E-6/K	ISO 11359-1/-2

<b>Electrical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Volume resistivity	20000 / -	Ohm*m	IEC 62631-3-1

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Density	1440 / -	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</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

**Regional Availability**

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