

Reny C-36

PAMXD6-CF30

Mitsubishi Engineering-Plastics Corporation

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	10 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
Load	2.16 / *	kg	-
Melt flow index, MFI	12	g/10min	ISO 1133
Temperature	275	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.4 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	27200 / 24200	MPa	ISO 527
Stress at break	249 / 230	MPa	ISO 527
Strain at break	1.2 / 1.3	%	ISO 527
Flexural modulus, 23°C	23400 / 21800	MPa	ISO 178
Flexural strength	411 / 359	MPa	ISO 178
Charpy impact strength, +23°C	45 / 48	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	4.7 / 4.9	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	224 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	236 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	5 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	50 / *	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-
Yellow Card available	yes / *	-	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	0.006 / 200000	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 3000	Ohm	IEC 62631-3-2

Other properties	dry / cond	Unit	Test Standard
Humidity absorption	1.4 / *	%	Sim. to ISO 62
Density	1350 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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

Regional Availability

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

Applications

Automotive, Electrical and Electronical, General Purpose