

Reny 2502AH

PAMXD6-(GF+MX)20

Mitsubishi Engineering-Plastics Corporation

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	14 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
Load	2.16 / *	kg	-
Melt flow index, MFI	22	g/10min	ISO 1133
Temperature	275	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	18400 / 14900	MPa	ISO 527
Stress at break	150 / 120	MPa	ISO 527
Strain at break	1.2 / 1.3	%	ISO 527
Flexural modulus, 23°C	16500 / 14700	MPa	ISO 178
Flexural strength	249 / 209	MPa	ISO 178
Charpy impact strength, +23°C	27 / 29	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	4.1 / 4.3	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	217 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	235 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	20 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	30 / *	E-6/K	ISO 11359-1/-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 / *	-	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	- / 5	-	IEC 62631-2-1
Dissipation factor, 1MHz	- / 170	E-4	IEC 62631-2-1
Volume resistivity	2E14 / 1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 2E14	Ohm	IEC 62631-3-2
Electric strength	27 / 26	kV/mm	IEC 60243-1
Comparative tracking index	200 / 300	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Humidity absorption	0.9 / *	%	Sim. to ISO 62
Density	1660 / -	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

Reny 2502AH

PAMXD6-(GF+MX)20

Mitsubishi Engineering-Plastics Corporation

Processing

Injection Molding

Special Characteristics

Flame retardant

Features

Low Warpage

Applications

Automotive, Electrical and Electronical, General Purpose

Regional Availability

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