

Reny 2502A

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	21.6	g/10min	ISO 1133
Temperature	275	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	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
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, 100Hz	- / 5	-	IEC 62631-2-1
Relative permittivity, 1MHz	- / 5	-	IEC 62631-2-1
Dissipation factor, 100Hz	- / 500	E-4	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

Characteristics**Special Characteristics**

Flame retardant

Regional Availability

North America, Europe, Asia Pacific