

DOMAMID FR 6G20GT96M

PA6-GF20

DOMO Engineering Plastics

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.6 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	5800 / 2850	MPa	ISO 527
Stress at break	80 / 50	MPa	ISO 527
Strain at break	3.2 / 15	%	ISO 527
Flexural modulus, 23°C	5500 / 2900	MPa	ISO 178
Charpy impact strength, +23°C	30 / 90	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	3.5 / 8.5	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	25 / 85	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	3.5 / 9	kJ/m ²	ISO 180/1A

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	221 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	175 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	205 / *	°C	ISO 75-1/-2
Vicat softening temperature, B	205 / *	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-2 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Burning behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2
Comparative tracking index	550 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Density	1320 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	75 - 85	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	240 - 260	°C	-
Mold temperature	70 - 90	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant, Halogen-free, Phosphorus-free