

DOMAMID FR 66V0MH1

PA66

DOMO Engineering Plastics

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.2 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.2 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	3700 / 1700	MPa	ISO 527
Yield stress	85 / 50	MPa	ISO 527
Strain at break	15 / >50	%	ISO 527
Flexural modulus, 23°C	3400 / 1600	MPa	ISO 178
Charpy impact strength, +23°C	75 / N	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	65 / 125	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	3.5 / 8	kJ/m ²	ISO 180/1A
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	262 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	80 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	210 / *	°C	ISO 75-1/-2
Vicat softening temperature, B	240 / *	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Burning behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-
Electrical properties			
ISO Data			
Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2
Comparative tracking index	600 / -	-	IEC 60112
Other properties			
Density	1180 / -	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	75 - 85	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	260 - 290	°C	-
Mold temperature	60 - 80	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant, Halogen-free, Phosphorus-free, Heat stabilized or stable to heat