

DOMAMID 6MV 303 NC

PA6

DOMO Engineering Plastics

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.5 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.5 / *	%	ISO 294-4, 2577
Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	2800 / 1700	MPa	ISO 527
Yield stress	80 / 20	MPa	ISO 527
Yield strain	4 / 4.5	%	ISO 527
Stress at break	50 / 65	MPa	ISO 527
Flexural modulus, 23°C	2500 / 950	MPa	ISO 178
Charpy impact strength, +23°C	N / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	7 / -	kJ/m ²	ISO 179/1eA
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	65 / *	°C	ISO 75-1/-2
Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E14	Ohm	IEC 62631-3-2
Other properties	dry / cond	Unit	Test Standard
Density	1130 / -	kg/m ³	ISO 1183
Material specific properties	dry / cond	Unit	Test Standard
ISO Data			
Viscosity number	190 / *	cm ³ /g	ISO 307, 1157, 1628
Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	75 - 85	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	240 - 280	°C	-
Mold temperature	60 - 80	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Delivery form

Natural Color