

DOMAMID R 6M10 500

PA6-MD10

DOMO Engineering Plastics

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.2	%	ISO 294-4, 2577
Molding shrinkage, normal	1.3	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	3200	MPa	ISO 527
Yield stress	70	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus, 23°C	3000	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	8	kJ/m ²	ISO 180/1A
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	221	°C	ISO 11357-1/-3
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Electrical properties			
ISO Data			
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	1E13	Ohm	IEC 62631-3-2
Other properties			
Density	1200	kg/m ³	ISO 1183
Material specific properties			
ISO Data			
Viscosity number	145	cm ³ /g	ISO 307, 1157, 1628
Processing Recommendation Injection Molding			
Pre-drying - Temperature	75 - 85	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	240 - 260	°C	-
Mold temperature	80 - 90	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

High impact or impact modified