

DOMAMID 66G40H1

PA66-GF40

DOMO Engineering Plastics

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	13200	MPa	ISO 527
Stress at break	195	MPa	ISO 527
Strain at break	2.8	%	ISO 527
Charpy impact strength, +23°C	80	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	14	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	75	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	13	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	250	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	255	°C	ISO 75-1/-2
Vicat softening temperature, B	255	°C	ISO 306
Burning behav. at thickness h	HB	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	500	-	IEC 60112
Other properties			
Density	1460	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	270 - 290	°C	-
Mold temperature	90 - 110	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Heat stabilized or stable to heat