

DOMAMID 66G40HR1

PA66-GF40

DOMO Engineering Plastics

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	12000	MPa	ISO 527
Stress at break	190	MPa	ISO 527
Strain at break	3	%	ISO 527
Izod notched impact strength, +23°C	13	kJ/m ²	ISO 180/1A
Rockwell hardness	R 120	-	ISO 2039-2
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
Other properties			
Density	1460	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	75 - 85	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	260 - 285	°C	-
Mold temperature	80 - 120	°C	-

Characteristics**Processing**

Injection Molding

Chemical Resistance

Hydrolytically Stable

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific