DOMAMID 66G50HR1

PA66-GF50 DOMO Engineering Plastics

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**15800**	MPa	ISO 527
Stress at break	**220**	MPa	ISO 527
Strain at break	**2**	%	ISO 527
Izod notched impact strength, +23°C	**15**	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**262**	°C	ISO 11357-1/-3
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**0.8**	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	**1E13**	Ohm*m	IEC 62631-3-1
Surface resistivity	**1E13**	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	**1580**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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