

DOMAMID 6G30H2 BK

PA6-GF30

DOMO Engineering Plastics

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	9800 / 6500	MPa	ISO 527
Yield stress	175 / 110	MPa	ISO 527
Stress at break	175 / 110	MPa	ISO 527
Strain at break	3 / 6	%	ISO 527
Flexural modulus, 23°C	8200 / 5000	MPa	ISO 178
Charpy impact strength, +23°C	85 / 90	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	55 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	12 / 20	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	8 / -	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	221 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	210 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	220 / *	°C	ISO 75-1/-2
Vicat softening temperature, B	214 / *	°C	ISO 306
Electrical properties			
ISO Data			
Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E14	Ohm	IEC 62631-3-2
Other properties			
Density	1360 / -	kg/m ³	ISO 1183
Material specific properties			
ISO Data			
Viscosity number	145 / *	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	250 - 290	°C	-
Mold temperature	80 - 100	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Black

Regional Availability

North America, Europe, Asia Pacific