

DOMAMID 6G30 300 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	1.0 / *	%	ISO 294-4, 2577
Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	9300 / 6500	MPa	ISO 527
Stress at break	170 / 105	MPa	ISO 527
Strain at break	3 / 4.5	%	ISO 527
Flexural modulus, 23°C	7500 / 4400	MPa	ISO 178
Charpy impact strength, +23°C	65 / 90	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	60 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	10 / 18	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	8.5 / -	kJ/m ²	ISO 179/1eA
Thermal properties	dry / cond	Unit	Test Standard
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	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	1E13 / -	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E14	Ohm	IEC 62631-3-2
Other properties	dry / cond	Unit	Test Standard
Density	1360 / -	kg/m ³	ISO 1183
Material specific properties	dry / cond	Unit	Test Standard
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

Regional Availability

North America, Europe, Asia Pacific

Delivery form

Black