

DOMAMID 6G45 300 NC

PA6-GF45

DOMO Engineering Plastics

Processing/Physical Characteristics	Value	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			
ISO Data			
Tensile Modulus	14000	MPa	ISO 527
Yield stress	218	MPa	ISO 527
Stress at break	218	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus, 23°C	11600	MPa	ISO 178
Charpy impact strength, +23°C	102	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	16	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	221	°C	ISO 11357-1/-3
Other properties			
Density	1450	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	250 - 290	°C	-
Mold temperature	80 - 100	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Delivery form

Natural Color