ECONAMID FL 6H1UV1

PA6 DOMO Engineering Plastics

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**9**	g/10min	ISO 1133
Temperature	**275**	°C	-
Load	**0.325**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2800**	MPa	ISO 527
Yield stress	**65**	MPa	ISO 527
Yield strain	**12**	%	ISO 527
Flexural modulus, 23°C	**2000**	MPa	ISO 178
Charpy impact strength, +23°C	**45**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**6**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**5**	kJ/m²	ISO 180/1A
Rockwell hardness	**R 120**	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**221**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**75**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**170**	°C	ISO 75-1/-2
Vicat softening temperature, B	**205**	°C	ISO 306
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	**1130**	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	**230 - 260**	°C	-
Mold temperature	**40 - 80**	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

U.V. stabilized or stable to weather, Heat stabilized or stable to heat