

EPLAMID 6 GFR 50 NC Q1F001

PA6-GF50

Epsan Plastik San. Tic. A.Ş

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.3 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	15400 / 10300	MPa	ISO 527
Stress at break	240 / 160	MPa	ISO 527
Strain at break	2 / 3	%	ISO 527
Flexural modulus, 23°C	14300 / 9200	MPa	ISO 178
Charpy notched impact strength, +23°C	19 / 22	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	18 / 21	kJ/m ²	ISO 180/1A
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	220 / *	°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	215 / *	°C	ISO 75-1/-2
Vicat softening temperature, B	215 / *	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
Electrical properties			
ISO Data			
Comparative tracking index	450 / -	-	IEC 60112
Other properties			
Density	1550 / -	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	260	°C	-

Characteristics**Processing**

Injection Molding

Applications

General Purpose

Additives

Lubricants

Regional Availability

Europe

Special Characteristics

Heat stabilized or stable to heat