EPLAMID 66 GFS 30 HS NC Q1D001

PA66-GF30 — Epsan Plastik San. Tic. A.Ş

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.4 / ***	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.8 / ***	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**9800 / 7200**	MPa	ISO 527
Stress at break	**190 / 120**	MPa	ISO 527
Strain at break	**3 / 6**	%	ISO 527
Flexural modulus, 23°C	**8800 / 6900**	MPa	ISO 178
Charpy notched impact strength, +23°C	**15 / 18**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**13 / 16**	kJ/m²	ISO 180/1A

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**260 / ***	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**250 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**255 / ***	°C	ISO 75-1/-2
Vicat softening temperature, B	**255 / ***	°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	-

Other properties	dry / cond	Unit	Test Standard
Density	**1360 / -**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**2 - 4**	h	-
Melt temperature	**280**	°C	-

Characteristics

Processing
Injection Molding

Applications
General Purpose

Additives
Lubricants

Regional Availability
Europe

Special Characteristics
Heat stabilized or stable to heat