

EPLAMID 66 GFS 30 HS NC Q1D001**Polyamide 66****Technical Data Sheet**

Material Information: Polyamide 66, reinforced with 30% of glass fiber, heat stabilized, lubricated for injection moulding.

Notes: Eplamid 66 glass fiber reinforced compounds are used in all sectors of industry, offering a good balance of thermal and mechanical properties.

This material is available in natural and colours on request.

Properties	Test Method	Unit	Value	
			Dry	Cond
Physical properties				
Density (23°C)	ISO 1183	g/cm ³	1,36	
Ash content	ISO 3451-4	%	30	
Determination of water content	ISO 15512	%	0,2	
Mold shrinkage- parallel/normal (3mm)	ISO 294-4	%	0,4/0,8	
Mechanical properties				
Tensile modulus (1mm/min) (23°C)	ISO 527-2	MPa	10000	7500
Tensile stress at break (5mm/min) (23°C)	ISO 527-2	MPa	190	130
Tensile strain at break (5mm/min) (23°C)	ISO 527-2	%	3,2	6
Flexural modulus (2mm/min) (23°C)	ISO 178	MPa	9200	6800
Flexural strength (2mm/min) (23°C)	ISO 178	MPa	290	220
Notched izod impact (23°C)	ISO 180/1A	kJ/m ²	12	14
Unnotched izod impact (23°C)	ISO 180/1U	kJ/m ²	70	80
Notched charpy impact (23°C)	ISO 179/1eA	kJ/m ²	13	15
Unnotched charpy impact (23°C)	ISO 179/1eU	kJ/m ²	75	85
Thermal properties				
Melting point	ISO 3146	°C	260	
Temp. of deflection under load (0,45 MPa)	ISO 75-2/B	°C	255	
Temp. of deflection under load (1,80 MPa)	ISO 75-2/A	°C	250	
Flammability & electrical properties				
Flammability classification (0,8mm) - UL 94	EN 60695-11-10	-	HB	
Comparative tracking index - CTI (Solution A)	EN 60112	V	500	
Surface resistivity	ASTM D257	Ω/sq	1,00E+14	

Test conditions

Laboratory conditions are 23 ±2°C and 45-55 % RH.

The information in this data sheet is given in good faith but without warranty. These datas do not release you from the obligation to test our products as to their suitability for the intended processes and uses. The application use and processing of our products and the products manufactured by you are beyond our control. Therefore, entirely your own responsibility. Eplamid, Eplon, Epopen and Epimix are registered trademarks of Epsan Plastik San. Ve Tic. A.Ş.