

EPLAMID 66 GFT 30 NC

Polyamide 66
EPSAN Plastik SAN. ve TiC. A.S.

Message:

Polyamide 66, reinforced with 30% of glass fiber and 15%PTFE, heat stabilized, lubricated for injection moulding.
Eplamid 66 GFT 30 is used in all sectors of industry, offering a perfect balance of thermal and mechanical properties.
This product is available in natural and in colours on request.

General Information				
Filler / Reinforcement		PTFE fiber, 15% filler by weight Glass fiber reinforced material, 30% filler by weight		
Additive		heat stabilizer Lubricant		
Features		Thermal Stability Lubrication		
Appearance		Available colors Natural color		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.47	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Vertical flow direction: 3.00mm	0.50	--	%	ISO 294-4
Flow direction: 3.00mm	0.30	--	%	ISO 294-4
Moisture Content	0.20	--	%	ISO 15512
Ash Content	30	--	%	ISO 3451-4
Hardness	Dry	Conditioned	Unit	Test Method
Durometer Hardness (Shore D, 23°C)	85	--		ISO 868
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	8800	8500	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	165	150	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	2.0	4.0	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	8550	8300	MPa	ISO 178
Flexural Stress ² (23°C)	250	220	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	15	kJ/m ²	ISO 179/1eA

Notched Izod Impact (23°C)	11	13	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed)	255	--	°C	ISO 75-2/A
Vicat Softening Temperature	255	--	°C	ISO 306/B120
Melting Temperature (DSC)	258	--	°C	ISO 3146
Flammability	Dry	Conditioned		Test Method
Flame Rating (1.60 mm)	HB	--		UL 94, IEC 60695-11-10, -20
Additional Information				
干燥 TEST CONDITIONS: Laboratory conditions are 23 ±2°C and 45-55 % RH.				
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	2.0 - 4.0		hr	
Processing (Melt) Temp	280		°C	
NOTE				
1.	2.0 mm/min			
2.	2.0 mm/min			
3.	120°C/h			

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