

EPLAMID 66 GV0 30 NC

Polyamide 66

EPSAN Plastik SAN. ve TiC. A.S.

Message:

Flame retardant polyamide 66 reinforced with 30% of glass fiber, heat stabilized for injection moulding.

Halogenated flame retardant grade, compliance with RoHS derivatives, with rating UL94 V0 and glow-wire at 960°C, combines excellent all around mechanical properties.

This product is available in natural and in colours on request.

General Information				
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight			
Additive	heat stabilizer Flame retardancy			
Features	Halogenated Thermal Stability Flame retardancy			
RoHS Compliance	RoHS compliance			
Appearance	Available colors Natural color			
Processing Method	Injection molding			
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.60	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Vertical flow direction: 3.00mm	0.60	--	%	ISO 294-4
Flow direction: 3.00mm	0.40	--	%	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)	87	--		ISO 868
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	10000	9400	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	160	145	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	2.0	4.0	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	9500	9200	MPa	ISO 178
Flexural Stress ² (23°C)	250	230	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method

Charpy Notched Impact Strength (23°C)	10	12	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	9.0	10	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature ³				
0.45 MPa, not annealed	250	--	°C	ISO 75-2/B
1.8 MPa, not annealed	245	--	°C	ISO 75-2/A
Vicat Softening Temperature	250	--	°C	ISO 306/B120
Melting Temperature (DSC)	255	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index (Solution A)	400	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.800 mm)	V-0	--		UL 94, IEC 60695-11-10, -20
Glow Wire Flammability Index (0.800 mm)	960	--	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (0.800 mm)	750	--	°C	IEC 60695-2-13
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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