

EPLAMID 66 IMP NC A501

Polyamide 66

EPSAN Plastik SAN. ve TiC. A.S.

Message:

Unreinforced and modified polyamide 66, with improved impact resistance, heat stabilized, lubricated for injection molding.
Eplamid 66 IMP A501 is used in all sectors of industry , offering a good Impact resistance.
This product is available in natural and in colours on request.

General Information				
Additive		heat stabilizer		
		Lubricant		
Features		Impact resistance, good		
		Thermal Stability		
		Lubrication		
Appearance		Available colors		
		Natural color		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.09	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Vertical flow direction: 3.00mm	1.8	--	%	ISO 294-4
Flow direction: 3.00mm	1.6	--	%	ISO 294-4
Moisture Content	0.20	--	%	ISO 15512
Hardness	Dry	Conditioned	Unit	Test Method
Durometer Hardness (Shore D, 23°C)	79	--		ISO 868
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	2400	1950	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	50.0	42.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	40	20	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	2100	1850	MPa	ISO 178
Flexural Stress ² (23°C)	80.0	70.0	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	11	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method

Heat Deflection Temperature ³ (1.8 MPa, Unannealed)	168	--	°C	ISO 75-2/A
Vicat Softening Temperature	240	--	°C	ISO 306/B120
Melting Temperature (DSC)	248	--	°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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