

# EPLAMID 6 IMP NC C001

Polyamide 6

EPSAN Plastik SAN. ve TiC. A.S.

Message:

Unreinforced and modified polyamide 6, with improved good-impact resistance, heat stabilized, lubricated for injection molding. Eplamid 6 IMP C001 offers an excellent Notched High Impact resistance with ensures outstanding performance at low temperatures (up to -23°C), making it suitable for all sectors of industries and for applications such as sports & liesure and automotive industries. This material is available in natural and in colours on request.

General Information				
Additive	heat stabilizer			
	Lubricant			
Features	Impact resistance, good			
	Low temperature impact resistance			
	Thermal Stability			
	Lubrication			
Uses	Application in Automobile Field			
	Sporting goods			
Appearance	Available colors			
	Natural color			
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.03	--	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage				ISO 294-4
Vertical flow direction: 3.00mm	1.9	--	%	ISO 294-4
Flow direction: 3.00mm	1.5	--	%	ISO 294-4
Moisture Content	0.20	--	%	ISO 15512
Hardness	Dry	Conditioned	Unit	Test Method
Durometer Hardness (Shore D, 23°C)	74	--		ISO 868
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	1750	1550	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	30.0	28.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	> 50	> 40	%	ISO 527-2/50
Flexural Modulus <sup>1</sup> (23°C)	1600	1450	MPa	ISO 178
Flexural Stress <sup>2</sup> (23°C)	78.0	68.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method

Charpy Notched Impact Strength (23°C)	75	82	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Izod Impact (23°C)	70	75	kJ/m <sup>2</sup>	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature (DSC)	215	--	°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	260		°C	
NOTE				
1.	2.0 mm/min			
2.	2.0 mm/min			

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#### Recommended distributors for this material

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