

EPLAMID 6 IMP NC B801

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 B801 offers an excellent Notched High Impact resistance with ensures outstanding performance at low temperatures making it suitable for all sectors of industries and for applications such as sports & liesure and automative 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)	1.05	--	g/cm ³	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)	75	--		ISO 868
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	2100	1850	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	36.0	33.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	> 50	> 40	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	1900	1750	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)	70	75	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	66	70	kJ/m ²	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

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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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