

EPLAMID 6 IMP NC B002

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 NC B002 offers an excellent Notched Impact resistance with ensures outstanding performance at low temperatures. 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		
Appearance		Available colors		
		Natural color		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.08	--	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)	76	--		ISO 868
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	2300	2100	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	38.0	33.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	> 50	> 40	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	2050	1900	MPa	ISO 178
Flexural Stress ² (23°C)	82.0	72.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	17	20	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	19	21	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
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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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