

EPLAMID 66 IMP NC C001

Polyamide 66

EPSAN Plastik SAN. ve TiC. A.S.

Message:

Unreinforced and modified polyamide 66, with improved good-impact resistance, heat stabilized, lubricated for injection molding.

Eplamid 66 IMP 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 product is available in natural and in colours on request.

General Information				
Additive		heat stabilizer		
		Lubricant		
Features		Impact resistance, high		
		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)	1.06	--	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)	76	--		ISO 868
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	1900	1650	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	42.0	36.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	> 50	> 30	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	1800	1550	MPa	ISO 178
Flexural Stress ² (23°C)	92.0	82.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method

Charpy Notched Impact Strength (23°C)	72	76	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	70	75	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature ³				
0.45 MPa, not annealed	170	--	°C	ISO 75-2/B
1.8 MPa, not annealed	90.0	--	°C	ISO 75-2/A
Vicat Softening Temperature	215	--	°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

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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	280	°C

NOTE

1. 2.0 mm/min
2. 2.0 mm/min
3. 120°C/h

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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