EPLAMID 6 IMP NC D001

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 D001 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)	1.02	--	g/cm³	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)	72	--		ISO 868
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus (23°C)	1400	1250	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	28.0	26.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	> 50	> 40	%	ISO 527-2/50
Flexural Modulus [1] (23°C)	1350	1100	MPa	ISO 178
Flexural Stress [2] (23°C)	75.0	70.0	MPa	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**

Charpy Notched Impact Strength (23°C)	88	95	kJ/m²	ISO 179/1eA
Notched Izod Impact (23°C)	85	90	kJ/m²	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

Recommended distributors for this material

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