EPLAMID 66 CBR 30 NC

Polyamide 66

EPSAN Plastik SAN. ve TiC. A.S.

Message:

Polyamide 66, reinforced with 30 % of glass bead, heat stabilize, lubricated for injection moulding.
Eplamid 66 CBR 30 offers a good surface aspect, low warpage, with good dimensional stability which is used in many sectors of industy.
This material is available in natural and in colours on request.

General Information				
Filler / Reinforcement	Glass beads, 30% filler by weight			
Additive	heat stabilizer Lubricant			
Features	Good dimensional stability Low warpage Thermal Stability Lubrication Excellent appearance			
Appearance	Available colors Natural color			
Processing Method	Injection molding			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Density (23°C)	1.34	--	g/cm³	ISO 1183
Molding Shrinkage				ISO 294-4
Vertical flow direction: 3.00mm	0.80	--	%	ISO 294-4
Flow direction: 3.00mm	0.50	--	%	ISO 294-4
Moisture Content	0.20	--	%	ISO 15512
Ash Content	30	--	%	ISO 3451-4
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Durometer Hardness (Shore D, 23°C)	83	--		ISO 868
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus (23°C)	4400	3800	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	75.0	65.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	4.0	8.0	%	ISO 527-2/50
Flexural Modulus [1] (23°C)	4100	3300	MPa	ISO 178
Flexural Stress [2] (23°C)	115	100	MPa	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**

Charpy Notched Impact Strength (23°C)	7.0	10	kJ/m²	ISO 179/1eA
Notched Izod Impact (23°C)	6.0	9.0	kJ/m²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature (DSC)	250	--	°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	280	°C

NOTE	
1.	2.0 mm/min
2.	2.0 mm/min

Recommended distributors for this material

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