EPLAMID 66 MOS2 %2 GFR 40 NC

Polyamide 66

EPSAN Plastik SAN. ve TiC. A.S.

Message:

Polyamide 66, reinforced with 40% of glass fiber and molybdenum Disulfide 2% , heat stabilized, lubricated for injection moulding.
Eplamid 66 MOS2 %2 GFR 40 is used in all sectors of industry, offering a perfect balance of thermal and mechanical properties.
This material is available in natural and in black colours

General Information	
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight
Additive	Molybdenum disulfide lubricant (2%) heat stabilizer
Features	Thermal Stability Lubrication
Appearance	Black Natural color
Processing Method	Injection molding

Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.47	--	g/cm³	ISO 1183
Molding Shrinkage				ISO 294-4
Vertical flow direction: 3.00mm	0.70	--	%	ISO 294-4
Flow direction: 3.00mm	0.40	--	%	ISO 294-4
Moisture Content	0.20	--	%	ISO 15512
Ash Content	40	--	%	ISO 3451-4

Hardness	Dry	Conditioned	Unit	Test Method
Durometer Hardness (Shore D, 23°C)	89	--		ISO 868

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	12800	12100	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	180	172	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	2.0	3.0	%	ISO 527-2/50
Flexural Modulus [1] (23°C)	11600	11300	MPa	ISO 178
Flexural Stress [2] (23°C)	220	200	MPa	ISO 178

Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	13	kJ/m²	ISO 179/1eA
Notched Izod Impact (23°C)	10	11	kJ/m²	ISO 180/1A

Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature (DSC)	255	--	°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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