

# TEHRAN POLYMER SABA

## SABAMIDE 630B



### Description

Sabamide 630B is a 30% glass fiber reinforced polyamide 6, which is designed to fulfill applications with high mechanical requirements. . It provides high mechanical properties, good impact resistance, toughness, stiffness, surface hardness, better dimensional stability .

### Characteristics

SABAMIDE 630B is Glass Fiber Reinforced PA6, 30% by weight and black color for injection molding.

### Applications

Injection molding, Auto's parts

### Properties

#### Physical

	METHOD	UNIT	VALUE
ASH CONTENT	ASTM D5630	%	30
DENSITY	ASTM D792	g/cm3	1.34
MOISTURE CONTENT	ASTM D6980	%	0.2

#### Mechanical

TENSILE STRESS @ yield (50 mm/min)	ASTM D638	MPA	130
ELONGATION @ BREAK (50 mm/min)	ASTM D638	%	5
FLEXURAL MODULUS (2 mm/min)	ASTM D790	MPA	7000
IZOD NOTCHED IMPACT STRENGHT @ 23 C	ASTM 6110	kJ/m2	8
HARDNESS	ASTM D2240	SHORE D	80

#### Thermal

Heat Deflection Temperature @1.82 MPa	ASTM D648	C	210
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#### Processing Conditions

DRYING TEMPRATURE	--	C	95
DRYING TIME	--	HOUR	2-4
BARREL TEMPRATUTE	--	C	230-240
MELT TEMPRATURE	--	C	220-230
HOLD PRESSURE	--	MPA	40-70

#### Notes:

These are typical values of the product's properties, and these values alone do not represent a sufficient basis for any part design and are not intended for use in establishing maximum, minimum, or ranges of values for specification purposes.

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