

# TEHRAN POLYMER SABA

## SABAMIDE 6AB



### Description

Sabamide 6AB is polyamide 6 resin offering high mechanical properties, stiffness and thermal resistance.

### Characteristics

This grade is designed to be processed in conventional injection molding process and black color.

### Applications

This product is used in housewares, automotive applications, home appliance industry.

### Properties

#### Physical

	METHOD	UNIT	VALUE
ASH CONTENT	ASTM D5630	%	.....
DENSITY	ASTM D792	g/cm <sup>3</sup>	1.1-1.2
MOISTURE CONTENT	ASTM D6980	%	0.2

#### Mechanical

TENSILE STRESS @ yield	ASTM D638	MPA	55
ELONGATION @ BREAK	ASTM D638	%	20
FLEXURAL MODULUS (2 mm/min)	ASTM D790	MPA	2100
IZOD NOTCHED IMPACT STRENGHT @ 23 C	ASTM 6110	kJ/m <sup>2</sup>	4
HARDNESS	ASTM D2240	SHORE D	75

#### Thermal

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

DRYING TEMPRATURE	--	C	80
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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