

TEHRAN POLYMER SABA

SABAMIDE 6AN



Description

Sabamide 6AN 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 natural color.
Melt viscosity: 2.6 Cp

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 ³	1.11
MOISTURE CONTENT	ASTM D6980	%	0.2

Mechanical

TENSILE STRESS @ yield	ASTM D638	MPA	75
ELONGATION @ BREAK	ASTM D638	%	25
FLEXURAL MODULUS (2 mm/min)	ASTM D790	MPA	2300
IZOD NOTCHED IMPACT STRENGTH @ 23 C	ASTM 6110	kJ/m ²	3
HARDNESS	ASTM D2240	SHORE D	75

Thermal

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

DRYING TEMPERATURE	--	C	80
DRYING TIME	--	HOUR	2-4
BARREL TEMPERATURE	--	C	230-240
MELT TEMPERATURE	--	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.

ADDRESS: UNIT 1, NO. 43, WEST GOLNABI ST, AHMADI ROSHAN SQ., MIRDAMAD AVE, TEHRAN, IRAN.

Telefax: (+98) 21 22902135

E-mail: info@tpspolymer.ir

www.tpspolymer.ir