

TEHRAN POLYMER SABA

SABAMIDE 630N



Description

Sabamide 630N 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 630N is Glass Fiber Reinforced PA6, 30% by weight and natural color for injection molding.

Applications

Injection molding, Auto's parts

Properties

Physical

	METHOD	UNIT	VALUE
ASH CONTENT	ASTM D5630	%	30
DENSITY	ASTM D792	g/cm ³	1.34
MOISTURE CONTENT	ASTM D6980	%	0.2

Mechanical

TENSILE MODULUS (50 mm/min)	ASTM D638	MPA	8000
TENSILE STRESS @ yield (50 mm/min)	ASTM D638	MPA	150
ELONGATION @ BREAK (50 mm/min)	ASTM D638	%	5
FLEXURAL MODULUS (2 mm/min)	ASTM D790	MPA	7800
IZOD NOTCHED IMPACT STRENGHT @ 23 C	ASTM 6110	kJ/m ²	12
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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