



- ▶ Introduction
- ▶ List of Grade
- ▶ Technical data(Grade)
- ▶ Technical data(Porperty)
- ▶ Topics

CONTENTS

- ▶ Catalogue download
- ▶ Press release
- ▶ Overseas branch
- ▶ Related links
- ▶ Contact
- ▶ Inquiry

Basic physical properties

100G20

Fiberglass reinforced ABSG type / GF20 %

Properties	Test Method	Test Condition	Units	100G20
Tensile Strength	ASTM-D638	23 °C/ 50%RH	MPa kg/cm ²	98 1,000
Tensile Elongation at Break		23 °C/ 50%RH	%	3
Flexural Strength	ASTM-D790	23 °C/ 50%RH	MPa kg/cm ²	140 1,430
Flexural Modulus		23 °C/ 50%RH	MPa kg/cm ²	6,200 63,200
Izod Impact Strength	ASTM-D256	23 °C 12.7mm V-notched	J/m kg•cm/cm	74 7.5
Distortion Temperature Under Load	ASTM-D648	6.4mm 1.82MPa	°C	102
Rockwell Hardness	ASTM-D785	23 °C/ 50%RH	R-SCALE	120
Melt FlowRate	ISO-1133	220 °C/98N	g/10min	11
Specific Gravity	ASTM-D792	23 °C/ 50%RH	-	1.18
Ball Pressure Temperature			°C	95
Flammability	UL94 File No.E41797			HB equivalent
Mold Shrinkage			%	0.1-0.3

Note ; These values are typical data for this product under specific test conditions and not intended for use as limiting specifications.

