



Technical data for Gibo Plast A/S

PP

[CAS: 9003-07-0](#)

Listed data is the minimum requirements for the all products in that specific kategori, Prime 3000TF (20% TALC), Prime 3000, Prime Tuff-X, unless marked with (Max). Data with a tolerance is marked by(±x%). All products are extruded.

GENERAL

Property	Method	Unit	Prime 3000 TF (20% TALC)	Prime 3000	Prime Tuff-X
Density (±1%)	ISO 1183	g/cm ³	1.04	0.91	1.09
Water absorption (Max)	DIN EN ISO 62 Method 1	%	0.01	0.01	-
Ball indention hardness	ISO 2039-1	MPa	-	-	-
Flammability	UL 94	-	HB	HB	HB

MECHANICAL

Property	Method	Unit	Prime 3000 TF (20% TALC)	Prime 3000	Prime Tuff-X
Tensile strength	ISO 527-2	MPa	-	-	-
Elongation at break	ISO 527-2	%	-	12	320
Tensile modulus	ISO 527-2	MPa	-	1300	-
Flexural strength	ISO 178	MPa	-	-	-
Flexural modulus	ISO 178	MPa	1700	1350	2700
Yield Stress	ISO 527-2	MPa	27	28	26
Impact strength @23 °C (Charpy notched)	ISO 179	KJ/m ²	-	-	-
Impact strenght izod @23°C (Notched)	ASTM D256	J	-	-	890
	ISO 180	KJ/m ²	50	58	-

THERMAL

Property	Method	Unit	Prime 3000 TF (20% TALC)	Prime 3000	Prime Tuff-X
Vicat temperature (B 50) (±1%)	ISO 306B	°C	128	158	-
HDT @ 0.45MPa	ISO 75	°C	105	90	114
Max. temperature (Short term use)	-	°C	-	-	-

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