



Technical data for Gibo Plast A/S **ABS/ASA** [CAS: 9003-56-9](#)

Listed data is the minimum requirements for the all products in that specific kategori, ABS/ASA 15, ABS/ASA 20 and ABS/ASA 35, unless marked with (Max). Data with a tolerance is marked by(±X%). All products are extruded.

GENERAL

Property	Method	Unit	ABS/ASA 15	ABS/ASA 20	ABS/ASA 35
Density (±6,5%)	ISO 1183	g/cm ³	1.14	1.05	1.05
Water absorption (Max)	DIN EN ISO 62 Method 1	%	-	-	-
Ball indentation hardness	ISO 2039-1	MPa	100	-	65
Flammability	UL 94	-	HB	-	HB

MECHANICAL

Property	Method	Unit	ABS/ASA 15	ABS/ASA 20	ABS/ASA 35
Tensile strength	ISO 527-2	MPa	32	32	-
Elongation at break	ISO 527-2	%	40	-	45
Tensile modulus	ISO 527-2	MPa	2050	-	2000
Flexural strength	ISO 178	MPa	15	-	58
Flexural modulus	ISO 178	MPa	2150	1800	1900
Yield Stress	ISO 527-1	Mpa	-	-	42
Impact strength @23 °C (Charpy notched)	ISO 179/1	KJ/m ²	15	20	-
Impact strenght izod @23 °C	ISO 180	KJ/m2	-	-	36

THERMAL

Property	Method	Unit	ABS/ASA 15	ABS/ASA 20	ABS/ASA 35
Vicat temperature (B 50) (±8%)	ISO 306B	°C	99	100	99
HDT-A (@1.8 MPa) (±8%)	ISO 75	°C	96	104	97
Service temperature (Continuous use)	-	°C	-	-	-
Max. temperature (Short term use)	-	°C	-	-	-

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