



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

Listed data is the minimum requirements for the all products in that specific kategori, ABS/ACRYL 20, ABS/ACRYL 30 and ABS/ACRYL 35, unless marked with (Max). Data with a tolerance is marked by(±X%). All products are extruded.

#### GENERAL

Property	Method	Unit	ABS/ACRYL 20	ABS/ACRYL 30	ABS/ACRYL 35
Density (±2,5%)	ISO 1183	g/cm <sup>3</sup>	1.07	1.10	1.09
Water absorption (Max)	DIN EN ISO 62 Method 1	%	-	0.30	-
Ball indentation hardness	ISO 2039-1	MPa	-	-	-
Flammability	UL 94	-	HB	HB	HB

#### MECHANICAL

Property	Method	Unit	ABS/ACRYL 20	ABS/ACRYL 30	ABS/ACRYL 35
Tensile strength	ISO 527-2	MPa	33	-	-
Elongation at break	ISO 527-2	%	7	-	-
Tensile modulus	ISO 527-2	MPa	1900	1800	1700
Flexural strength	ISO 178	MPa	-	-	-
Flexural modulus	ISO 178	MPa	-	-	-
Yield Stress	ISO 527-1	Mpa	36	34	34
<b>Impact strength @23 °C (Charpy unnotched)</b>	<b>ISO 179</b>	<b>KJ/m<sup>2</sup></b>	<b>20</b>	<b>30</b>	<b>35</b>
Impact strength @23°C (Charpy notched)	ISO 179	KJ/m <sup>2</sup>	10	10	10

#### THERMAL

Property	Method	Unit	ABS/ACRYL 20	ABS/ACRYL 30	ABS/ACRYL 35
Vicat temperature (B 50) (±1%)	ISO 306B	°C	94	94	94
HDT-A (@1.8 Mpa) (±1%)	ISO 75	°C	89	89	89
Service temperature (Continuous use)	-	°C	85	85	85
Max. temperature (Short term use)	-	°C	100	100	100

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