



Technical data for Gibo Plast A/S **ACRYL XT** [CAS: 9011-14-7](#)

Listed data is the minimum requirements for the all products in that specific kategori, XT, XT25, XT45 and XT75+, unless marked with (Max).
Data with a tolerance is marked by(±X%). All products are extruded.

GENERAL

Property	Method	Unit	ACRYL XT	ACRYL XT 25	ACRYL XT 50	ACRYL XT 75+
Density (±2%)	ISO 1183	g/cm ³	1.19	1.17	1.17	1.17
Water absorption (Max)	DIN EN ISO 62 Method 1	%	0.2	0.33	0.33	0.33
Ball indentation hardness	ISO 2039-1	MPa	175	135	100	100

MECHANICAL

Property	Method	Unit	ACRYL XT	ACRYL XT 25	ACRYL XT 50	ACRYL XT 75+
Tensile strength	ISO 527-2	MPa	65	50	40	40
Elongation at break	ISO 527-2	%	4	10	15	20
Tensile modulus	ISO 527-2	MPa	3000	2100	1800	1800
Flexural strength	ISO 178	MPa	105	85	65	69
Flexural modulus	ISO 178	MPa	3000	2100	1800	1600
Impact strength @23 °C (Charpy unnotched)	ISO 179-1	KJ/m ²	10	25	50	75
Impact strength @23 °C (Charpy notched)	ISO 179-1	KJ/m ²	2	3	4	5

THERMAL

Property	Method	Unit	ACRYL XT	ACRYL XT 25	ACRYL XT 50	ACRYL XT 75+
Vicat temperature (B 50) (±1%)	ISO 306	°C	105	103	101	97
Service temperature (Continuous use)	-	°C	70	65	65	65
Max. temperature (Short term use)	-	°C	90	80	75	75

OPTICAL

Property	Method	Unit	ACRYL XT	ACRYL XT 25	ACRYL XT 50	ACRYL XT 75+
Light transmission	DIN 5036-3/ EN ISO 13468-2	%	92	91	89	90

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