

TECHNICAL DATA BAYDUR®110

Property	Units	Standard	Baydur®110
Optimum thickness	mm		3-8
Draft Angle			1°
Integration of threaded inserts			Possible
Snap joints			Possible using special insert
Density	Kg/m ³	DIN EN ISO 845	1050
Flexural modulus of elasticity	N/mm ²	DIN EN ISO 178	2000
Flexural strength at 3.5 % strain in outer fibers	N/mm ²	DIN EN ISO 178	58
Tensile strenght	N/mm ²	DIN EN ISO 527	50
Elongation at break	%	DIN EN ISO 527	14
Impact strength at 22 °C	KJ/m ²	DIN EN ISO 179	57
Heat deflection temperature Method B (0.45 MPa)	°C	DIN EN ISO 75-2	105
Coefficient of linear thermal expansion	1/K	ASTM E 831	100*10-6
Surface hardness Shore D			75-77
Water absorption (50*40*10 mm)	%	DIN 53495	< 0,6

Electrical Property	Units	Standard	Baydur®110
Resistività di superfice	Ω	ASTM D257	3,5 ¹⁶
Resistenza spec. al passaggio di corrente	Ω*m	ASTM D257	2,8 ¹³
Rigidità dielettrica	kV/mm	ASTM D149	3-8

Mechanical, thermal, and other properties were measured on specimens cut from a 1,000 x 500 x 10 mm sheet and these values are given only as a guide and must be verified in each individual case on finished parts manufactured.