



	DIN	ISO	ASTM	UNIT	VALUE
General characteristics					
Specific density	53479	1183	D792	g/cm ³	1.05
Mechanical properties					
Tensile strength	53455	527	D638	MPa	1900
Elongation at break	53455	527	D638	%	38
Rockwell hardness	/	2039	D785	MPa	M 50
Impact strength (CHARPY un-notched)	53453	179	/	KJ/m ²	does not break
Impact strength (IZOD notched)	53453	180	D256	J/m	36
Thermal properties					
Vicat softening temperature B/50 // A/50	53460	306	D1525	°C	103/94
HDT double thermal treatment (1.82 MPa / 0.45 MPa)	53461	75	D648	°C	96/101
Technical characteristics					
Material	ABS + impact modified acrylic				
Temperature resistance	from -40 °C to +80 °C				
Scratch resistance	internal test with sclerograph (value = 300 g)				
Outdoor use	yes				
Indoor use	yes				
Fire resistance	UL94 method – class HB				
Odour	odourless				
Engraving method	pantograph, laser				
Engraving depth	0.3 mm				



Aesthetic characteristics	
Surface treatment	brushed
Surface finish	without holes, inclusions, scratches based on the approved sample
Colour tolerance	- max.: 1.5 (DE/DE tolerances) measured on the approved sample
	- Calculation method: CIE LAB CMC (1:1) (according to British Standard 6923)
	- Light source/observer: D65/10°
Impurities	No. 01 ≤ 1 mm ²
	No. 01 ≤ 0.5 mm ²
	No. 03 ≤ 0.2 mm ²
Geometric characteristics	
Board dimensions	1220 x 610 mm (Toleranz +/- 0,2 %) Kanten in rechten Winkeln
Total thickness	0,8 - 1,6 – 2,4 mm (Toleranz +/- 0,1 mm)
Thickness of top side	0,1 - 0,2 mm (Toleranz +/- 0,03 mm)
Evenness	max. 5 mm Wölbung zur Oberfläche

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