

TRANSSATCO® B1 - Stock List

valid from 2011-05-20



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member of ACCP

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TRANSSATCO® is a registered trademark of the Co. HEINZ FRITZ

☺☺☺ available from stock
☺ in a small number available from stock

☎ producible on request

Standard product palette

colour	colour number	τ D65	thickness	thickness	thickness	thickness	thickness	thickness	thickness
			3	4	5	6	8	10	15
blue	99001.09	24%	☎	☎	☎	☺	☎	☺	
colourless	99001.05	88%	☎	☎	☎	☺☺☺	☎	☺☺☺	☺
green	99084.05	54%	☎	☎	☎	☺	☎	☺	
orange	99001.17	40%	☎	☎	☎	☺	☎	☺	
red	99001.02	30%	☎	☎	☎	☺	☎	☺	
white	99001.06	60%	☎	☎	☎	☎	☎	☺	
white	99081.22	26%	☎	☎	☎	☺	☎	☺☺☺	

Special product palette

red	99001.31	33%	☎	☎	☎	☎	☎	☎	
Blau	99083.05	45%	☎	☎	☎	☎	☎	☺	

size of standard sheets

3050 x 2050 mm

3050 x 2030 mm

Special colours or colour adjustments are possible on customer requirement.
the colour impression in white and colourful seems tighter at an increasing thickness



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	test conditions	values	unit	test method
physical properties				
density		1,27	g/cm ³	ISO 1183-1
moisture absorption	water absorption normal climate 23°C / 50% r.F.	0,2	%	ISO 62-4
	water absorption bearing in water 23°C until saturation	0,6	%	ISO 62-1
refractive index	20°C	1,567	-	ISO 489

mechanical properties

tensile stress at yield		> 45	MPa	ISO 527-2/1B/50
elongation at yield stress		4	%	ISO 527-2/1B/50
tensile strength		> 45	MPa	ISO 527-2/1B/50
elongation at break		> 35	%	ISO 527-2/1B/50
elasticity modulus		2000	MPa	ISO 527-2/1B/1
limiting flexural stress		ca. 80	MPa	ISO 178
impact strength	Charpy without chamfer	w.o. break	kJ/m ²	ISO 179/1fU
	Charpy with chamfer	approx. 7	kJ/m ²	ISO 179/1eA
	Izod with chamfer	approx. 6	kJ/m ²	ISO 180/1A

thermal properties

vicat - softening temperature	method B50	80	°C	ISO 306
heat conductance		0,2	W/m K	DIN 52612
coefficient of linear expansion		0,05	mm/m K	DIN 53752-A
heat deformation resistance	method A: 1,80 MPa	63	°C	ISO 75-2
	method B: 0,45 MPa	70	°C	ISO 75-2

electrical properties

dielectric strength		20	kV/mm	IEC 60243-1
specific pressure drag		10 ¹⁵	Ohm cm	IEC 60093
surface resistance		10 ¹⁶	Ohm	IEC 60093
relative permittivity	10 ³ Hz	2,6		IEC 60250
	10 ⁶ Hz	2,4		IEC 60250
dielectric loss factor	10 ³ Hz	0,005		IEC 60250
	10 ⁶ Hz	0,02		IEC 60250

TRANSSATCO® B1

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- fire class B1 according to DIN 4102 B1
- it can be chip removing processed
- due to the fine surface structure it is more resistant to scratches
- it is also lessened easily soiled
- contact- and fingerprints are invisible
- little specific weight (1,27 g/cm³)
- great impact resistance
- high break strength
- producible in thickness up to 10 mm

We do not only deliver sheets and pre-cut parts, but also offer you the whole palette of processing from one source.

Our technological application advisory service is non-binding. The buyer bears the responsibility for the application and processing of our products, also regarding to possible industrial property rights of third parties. Technical data concerning our products are reference values.