

Name of function	Function index sign	Test method
Density g/cm <sup>3</sup>	1,7	ASTM D-792A
Hardness (Barcol)	60	ASTM D-2583
Water Absorption %	0,023	ASTM D-570
Heat Expansion (1x10 "in/in"/F)	2,1	ASTM D-696
Ignition Test	38	ASTM D-2863
Tensile Strength, psi	6500	ASTM D-638
Elongation At Yield %	0,2	ASTM D-638
Flexural Strength, psi	72D-79000	ASTM
Impact Resistance, 8ft; 0,5lb	Unbreakable	ANSI Z 124.6
Water Resistance, g/1000cycl	0,05	ASTM D-4060
Lustre Stable Resistance	uninfluential	NEMA LD3-3.3
High Temperature Resistance	uninfluential	NEMA LD3-3.6
Boiling Water Resistance	uninfluential	NEMA LD3-3.5
Stain Resistance	uninfluential	ANSI Z 124.6
Chemical Resistance	uninfluential	ANSI Z 124.6

# TECHNICAL INFORMATION

Specification	Unit	Result	Test methods
Flexural-E-modulus	Mpa	8900-9750	DIN EN ISO 178
Flexural strength	Mpa	56-71	DIN EN ISO 178
Breaking elongation	%	0,65-0,93	DIN ISO 178
Tensile strength	Mpa	68-72	DIN EN ISO 527
Density	g/cm <sup>3</sup>	1,74-1,76	DIN ISO 1183
Temperature change resistance	°C	no change	UNI 9429
Scratch resistance		4D	DNI 68 861
Electrostatics conductivity	>1x10 <sup>12</sup>	insulating n.c.	EN 61340-5-1
Thermal conductivity	W/mK	0,64	DIN EN 12664
Thermal resistance	m <sup>2</sup> K/W	0,04	DIN EN 12664
Thermal expansion co-efficient	m/m/°C	28x10 <sup>-6</sup>	DIN EN 14581
Ball indentation hardness	N/mm <sup>2</sup>	250-272	DIN EN ISO 2039-1
Mohs hardness		2 to 3	DIN EN 101
Pencil hardness		>9H	ISO 15184
Water absorption			DNI EN 438 PART 12
Weight		<0,1%	
Strength/thickness		<0,1%	
Impact resistance			
Impactor	N	>26	E DIN EN 438,02/02 PART 2/20
drop ball test (fall height)	mm	<1400	E DIN EN 438,02/02 PART 2/21
Slip resistance		> 0,4-0,9	DIN 51130
Climate change resistance	°C	<0,05	
Dry heat (pan base)	°C	<100(7C)	DIN 68 861,part7,04- ' 85
Dramp heat(pan base)	°C	<100(8A)	DIN 68 861,part8,04- ' 85
Dimensional change by change in relative humidity			DIN EN 318
length	%	-0,02	
thickness	%	0,05	
mass	%	0,05	
Resistance to boiling water			DIN EN 318
increase in weight	%	< 0,1	
increase in thickness	%	< 0,1	
Fire protection classification Flame-retandant properties MPA/NRW			
		B1	DIN 4102-1