

3202458 to 3202483

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## MAIN CHARACTERISTICS

## INDICATIVE VALUES ~

	TEST METHOD			UNITS	ALTUGLAS CN		ALTUGLAS EX	
	ISO	NF	Others		Thickness Value mm	Thickness Value mm		
<b>ELECTRICAL PROPERTIES</b>								
Dielectric strength		C 26225	DIN 53481	KV/mm		20 to 25		20 to 25
Transverse resistivity		C 26215	DIN 53482	Ohm.cm		> 10 <sup>15</sup>		> 10 <sup>15</sup>
Dielectric constant		C 26230	DIN 53483					
to 50 Hz						3.7		3.7
to 1 MHz						2.6		2.6
<b>THERMAL PROPERTIES</b>								
Coefficient of linear expansion		EN 2155-1	T 51251	DIN 52328	mm/m/°C		0.065	0.065
Thermal conductivity				DIN 52612	W/m/°C		0.17	0.19
Specific heat				ASTM C 351	J/g/°C		1.32	1.32
Insulation coefficient K				DIN 4701				
3 mm thick					W/m <sup>2</sup> /°C	3	5.4	3
5 mm thick					W/m <sup>2</sup> /°C	5	5.1	5
10 mm thick					W/m <sup>2</sup> /°C	10	4.5	10
Vicat softening point B 10/10, conditioned samples	306	T 51021	DIN 53460	°C			115	105
Heat distortion temperature under load, 1.8 N/mm <sup>2</sup> , conditioned samples	75/A	T 51005	DIN 53461	°C			109	102
Max. continuous service temperature				°C			85	80
Forming oven temperature				°C			130-190	140-175
Max. heating temperature				°C			200	180
Max. linear shrinkage after heating, thickness ≥ 3 mm				%			2	3
Max. linear shrinkage after heating, thickness < 3 mm				%			2	6
Max. superficial temperature under infra-red				°C			220	210
<b>FLAMMABILITY</b>								
Self-ignition temperature				°C			approx. 450	approx. 450
Flame resistance (Radiant heat source)		P 92501				3	M4	M4
Melt behaviour when burning		P 92505				3	non-drip	drips
Flame resistance			DIN 4102				B2	B2
Flame resistance			BS 476 Pt. 7				class 3	class 4
Flame resistance			UL 94				HB	HB
Oxygen Index		T 5107	ASTM 2863	77 %			18	18
Chlorine content				%			0	0
Nitrogen content				%			< 0.02	< 0.02