

3202458 to 3202483

MAIN CHARACTERISTICS **INDICATIVE VALUES ~**

	TEST METHOD			UNITS	ALTUGLAS CN		ALTUGLAS EX		
	ISO	NF	Others		Thickness Value	Thickness Value	Thickness Value	Thickness Value	
					mm		mm		
ELECTRICAL PROPERTIES									
Dielectric strength		C 26225	DIN 53481	KV/mm		20 to 25		20 to 25	
Transverse resistivity		C 26215	DIN 53482	Ohm.cm		> 10 ¹⁵		> 10 ¹⁵	
Dielectric constant		C 26230	DIN 53483						
to 50 Hz						3.7		3.7	
to 1 MHz						2.6		2.6	
THERMAL PROPERTIES									
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 ² /°C	3	5.4	3	5.4	
5 mm thick				W/m ² /°C	5	5.1	5	5.1	
10 mm thick				W/m ² /°C	10	4.5	10	4.5	
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 ² , 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	
FLAMMABILITY									
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	