

# ANTIFLEX®-2MC-AFP, clear 1000

## Technical Data Sheet

**ANTIFLEX®-2MC-AFP** is ttv's precision cast acrylic (PMMA) **LUXACRYL®** with hard coating and antireflection multi-coating on both surfaces. Front surface with special ANTI-FINGER-PRINT coating for easier cleaning.

**Applications:** mainly used for laser scanners, bar code readers, TFT displays and other high-tech applications.

**Standard sheets:** in thicknesses from 1.0 to 3.0 mm; standard colors are clear 1000 and red 1671. Other tints available on request.

ttv also supplies cut to size or machined to customer's drawings (including silk screen printing and adhesive).

TECHNICAL DATA	TEST METHOD	UNIT	VALUE*
<b>PHYSICAL</b>			
Density	ASTM D-792	g/cm <sup>3</sup>	1.19
Pencil Hardness	ASTM D-3363		approx. 6 – 8 H
<b>OPTICAL</b>			
Transmission (total)	ASTM D-1003	%	>= 98
Transmission (parallel)	ASTM D-1003	%	97.9
Reflection Value		%	<= 0.5
Haze	ASTM D-1003	%	0.001
<b>THERMISCH</b>			
Maximum Continuous Temperature		°C	80
Heat Distortion Temperature	ASTM D-648	°C	110
Coefficient of Thermal Expansion	ASTM D-696	1/°C	7x10 <sup>-5</sup>
Heat Resistance	100 h bei 80°C		NO CHANGE
Cold Resistance	100 h bei -40°C		NO CHANGE
Thermal Cycle (10 cycles)	-40°C - 80°C		NO CHANGE
<b>MECHANICAL</b>			
Rupture Strength (flexural)	ASTM D-790	kg/cm <sup>2</sup>	800
Elongation	ASTM D-638	%	5
<b>CHEMISCH</b> <span style="float: right;">“+” = no change, “-“ = not resistant</span>			
+ Isopropyl Alcohole	+ Water		
+ Soap Aqua Solutiion	- Sulfuric Acid		
- Natrium Carbonate			

\* Values provided cannot be guaranteed in your application due to circumstances beyond our control.



sudetenstrasse 53 tel +49-8171-3469-0  
d-82538 geretsried fax +49-8171-3469-29

internet: [www.go-ttv.com](http://www.go-ttv.com)  
email: [info@go-ttv.com](mailto:info@go-ttv.com)

Update: 16.06.2009