

ANTIFLEX®-AR3/2MC-AFP, clear 1000

Technical Data Sheet

ANTIFLEX®-AR3/2MC-AFP is ttv's precision cast acrylic (PMMA) **LUXACRYL®** with hard coating and antireflection multi-coating on both surfaces. Front surface with additional non-glare coating (AR3 coating) plus special ANTI-FINGER-PRINT coating for easier cleaning. **ANTIFLEX®-AR3/2MC-AFP** offers the best glare reduction possible.

Applications: mainly used for LCDs, TFT displays and other high-tech applications demanding absolute minimum reflectance.

Standard sheets: in thicknesses from 1.0 to 3.0 mm; standard color is clear 1000. Other colors 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*
PHYSICAL			
Density	ASTM D-792	g/cm ³	1.19
Pencil Hardness	ASTM D-3363		approx. 6 – 8 H
OPTICAL			
Transmission (total)	ASTM D-1003	%	>= 98
Reflection Value		%	<= 0.5
Haze		%	approx. 1.9
THERMISCH			
Maximum Continuous Temperature		°C	80
Heat Distortion Temperature	ASTM D-648	°C	110
Coefficient of Thermal Expansion	ASTM D-696	1/°C	7x 10 ⁻⁵
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
MECHANICAL			
Rupture Strength (flexural)	ASTM D-790	kg/cm ²	800
Elongation	ASTM D-638	%	5
CHEMISCH			
“+” = no change, “-“ = not resistant			
+ Isopropyl Alcohole	+ Water		
+ Soap Aqua SOLution	- Sulfuric Acid		
- Natrium Carbonate			

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



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