Glass Experts

"Custom glass work and mirrors"

1. PRODUCT CHARACTERISTICS

Our NON-GLARE glass is manufactured in our own etching process. Highly-advanced technological capabilities enable us to change one or two surfaces of the glass, providing uniform, homogeneous surface structure for high resolution application.

NON-GLARE Glass disperses reflected light, allowing the user to focus on the transmitted image. As a result, the perception of the image increases significantly. The NON-GLARE Glass has anti- finger print feature. Therefore, our NON-GLARE glass is available in several etching levels.

This distinguishes our product from others of this type on global markets.

2. PROPERTIES / APPLICATIONS

- Scatters light in a controlled manner
- Reduces the adverse glare effect
- Provides true to life color images
- Provides a uniform and homogeneous surface structure for high resolution applications
- Eliminate fingerprints
- Can be etched with anti-reflection technique for better resolution
- Can be combined with DAGLASS diamond coating and diffused glass

Applications

- Screen covers
- LCD and LED displays
- Advertising totems
- Advertising panels – large screens • Separating partitions
- Touch screens
- Interactive tables
- Multimedia self-service kiosks
- Self-service checkouts
- ATM screens
- Medical screens
- Display panel in cars

3. TECHNICAL DATA

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Thickness	Maximum dimensions
2 mm	2000 x 1605 mm
3-8 mm	3210 x 2250 mm, 2250 x 1605 mm

	AG60		AG85	
Gloss value[1]	Kąt 20o : 35.0 ± 7.0 GU Kąt 60o: 60.0 ± 7.0 GU Kąt 85o: 90.0 ± 7.0 GU		Kąt 20o: 65.0 ± 7.0 GU Kąt 60o: 85.0 ± 7.0 GU Kąt 85o: 95. ± 7.0 GU	
Transmittance[2]	Direct	Hemispherical	Direct	Hemispherical
	> 91.0 %	> 82.5 %	> 91.0 %	> 82.5 %
Reflection (photopic)[3]	< 2.0 %		< 2.0 %	
Roughness (microns)[4]	21.9 ± 0.5 µm		24.7 ± 0.5 µm	
Haze[5]	8.9 ± 0.5 %		3.8 ± 0.5 %	
Clarity[6]	78.0 ± 2.5 %		85.0 ± 2.5 %	

1. Gloss value was defined by means of AN 833 glossmeter. The result given in a table is an average of 10 measurements.
2. Direct transmittance and hemispherical transmittance were measured by means of spectrophotometer with Ulbricht sphere of diameter of 1 m (according to NEN 2675) in range of 400 till 700 nm. Direct and hemispherical transmittance value given in a table is an average of 10 measurements. Hemispherical transmittance is an average transmittance for following angle of incident light from 0 to 90°.

3. Reflection (photopic) was measured in a range of 400 to 750 nm by means of a UV- VIS-NIR Spectrophotometer Jasco V700 series. The result given in a table is an average of 10 measurements.
4. Roughness was measured by means of SEM Phenom Pure. Measurement surface area 1 mm2.

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5. Haze was taken with BYK Gardner haze-guard i (according to norm ASTM D1003) with an illumination source C.
6. Clarity was taken with BYK Gardner haze-guard I (according to norm ASTM D1003) with an illumination source C. BYK Gardner haze-guard I is an updated version of haze- guard plus, which measures according to ASTM D1003 as well.

DAGLASS Sp. z o.o. anti-glare, non-glare glass sold throughout North America by:

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