



QUINN *plastics*

PRODUCT INFORMATION

QUINN™ CAST
Anti-bacteria



QUINN CAST Anti-bacteria

QUINN CAST Anti-bacteria, the latest addition to our Cast range, is endowed with anti-microbial and fungicide protection which makes it ideal for use in places where extreme hygienic conditions are required such as medical and laboratory facilities, gyms, spas, hotels, sanitary applications and public rest rooms.

QUINN CAST Anti-bacteria has a special additive which blocks the development of micro-organisms, meaning it will increase the level of hygiene in specific areas, eliminate the development of odours and dark stains on material, and is long lasting even after prolonged washing.

PRODUCT IDENTIFICATION

QUINN CAST Anti-bacteria is the brand name of QUINN-Plastics PMMA cast sheet endowed with anti-microbial and fungicide protection. The additive in QUINN CAST Anti-bacteria is colourless meaning it can be used in all colour references as well as in clear material without modifying the final aspect of the sheet. In addition, QUINN CAST Anti-bacteria has better chemical resistance and it is easier to thermoform than standard QUINN CAST material. QUINN CAST Anti-bacteria is also ideal for sawing, drilling, printing, milling, mechanical polishing, thermoforming and hot bending.

CHARACTERISTICS

- Increases level of hygiene.
- Inhibits grow of micro-organisms on the surface of the sheet avoiding odour and dark stains.
- Material is easier to clean, easier to maintain.
- Protects against active fungi, algae and bacteria.
- Water insoluble, therefore not affected by prolonged washing.
- Low migration with temperature. QUINN CAST Anti-bacteria can be thermoformed without modifying its anti-microbial properties.
- Colourless additive.
- Mechanical properties are not modified compared to sanitary material.
- Compared to standard QUINN CAST material, QUINN CAST Anti-bacteria has better chemical resistance and it is easier to thermoform.
- QUINN CAST Anti-bacteria is not suitable for application in direct contact with food stuff.
- QUINN CAST Anti-bacteria has been evaluated in a biological laboratory using the standard ISO 846:1997.



APPLICATIONS

- Hygienic furniture (medical & laboratory equipment)
- Sanitary ware (shower trays, bath tubs)

PRODUCT RANGE

This is a non standard product: available in any thickness on request

Colours: Available in any colour on request.

Please contact your local customer service centre for a complete product overview. For details see back of brochure.



Technical Info

GENERAL

Property	Method	Units	QUINN CAST Anti-bacteria
Density	ISO 1183	g/cm ³	1.19
Water absorption	ISO 62 Method A		<40mg

MECHANICAL & THERMAL

Property	Method	Units	QUINN CAST Anti-bacteria
Tensile Strength	ISO 527	Mpa	<60 MPa
Vicat Temp. (VST/B 50)	ISO 306	°C	>105°
Charpy (unnotched)	ISO 179	kJ/m ²	17
Linear thermal expansion	ISO 113592	mm/m°C	0.07
Max. service temperature continuous use	°C		80
Max. service temperature short use	°C		75
Degradation temperature	°C		>250 °C

OPTICAL

Property	Method	Units	QUINN CAST Anti-bacteria
Resistance to light	UNE EN 263		4/5
Resistance to hot water	UNE EN 263		4/5

RESISTANCE TO CHEMICALS

	Method	Units	QUINN CAST Anti-bacteria
Cross-link	UNE EN 263		Cross-linked
Acids	UNE EN 263		Without stains
Alkalis	UNE EN 263		Without stains
Alcohols	UNE EN 263		Without stains
Whitening agents	UNE EN 263		Without stains
Staining agents	UNE EN 263		Without stains
Resistance to wetting/drying cycles	UNE EN 263		Correct

Note: Technical information is based on standard material. Results may vary according to production variations.

For further information:

Your customer service centre
UK, Ireland
T +44 (0) 1773 838 400
F +44 (0) 1773 838 401

France, Italy, Greece & Cyprus
T +33 (0) 385 - 73 68 00
F +33 (0) 385 - 73 68 22

Germany, Switzerland, Austria
T +49 (0) 6131 - 63 11 82
F +49 (0) 6131 - 63 11 03

North Eastern Europe,
Russia, Poland & Slovakia
T +421 (0) 41 - 707 14 11
F +421 (0) 41 - 707 14 17

South Eastern Europe,
Czech Republic, Hungary, Bulgaria & Ex-Yugoslavia
T +420 318 - 49 39 11
F +420 318 - 63 56 35

Spain, Portugal
T +34 (0) 93 - 575 19 90
F +34 (0) 93 - 564 87 00

Benelux, Scandinavia
and all other countries
T +32 (0) 14 - 57 67 11
F +32 (0) 14 - 58 11 27

HEAD OFFICE

Quinn Plastics
Derrylin
Co Fermanagh
BT92 9AU
N. Ireland
T +44 (0) 28 6774 8866
F +44 (0) 28 6774 8800
www.quinn-plastics.com

Quinn Plastics offers a wide range of plastic sheets that give the widest choice to industry as far as gauge, size, pattern, colour, coating and opacity are concerned.



QUINN GROUP

Derrylin, County Fermanagh,
Northern Ireland, BT92 9AU.

e: info@quinn-group.com
w: www.quinn-group.com