Poolside by CGT

PF4000

Technical Data Sheet

Thickness	Embossing	Colour
1,5mm	Smooth (2010)	Mosaic Plaza Cyrus Blue Cyrus Grey Cyrus Sand HDE Jellistone HDJ Jellistone Oceanstone Sparkle Disco Pearl Butterfly

Main applications

Reinforced swimming-Pool membranes
Higher Class

Product description

Reinforced varnished calendered flexible PVC film
Stabilisation system : Without Heavy metals
UV Stabilisation : Yes

General comments

Our products have been developed according to EN 15836-2.
Others colours, thicknesses, or embosses, can be developed on demand.

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General properties	Unit	Method	Typical Value
Surface mass	g/m²	EN ISO 1849-2	1850 +/- 5%
Water Absorbtion	% (Weight)	EN ISO 62 Method 1	≤ 1
CaCO3 Ratio	% (Weight)	EN 15836-2 Annex A	≤ 3
Available Width	mm		1650
Physical properties	**Unit**	**Method**	**Typical Value**
Thickness Over Emboss	mm	EN 1849-2	1,5 +/ -5%
Elongation at Break	%	EN 12311-2 Method A	15 ≤ E ≤ 30
Tensile strenght at Break	N/50mm	EN 12311-2 Method A	≥ 1100
Peel Resistance	N/50mm	EN 12316-2	≥ 80
Tear Strenght	N	EN 12310-2	≥ 180
Dimentional stability	%	EN 1107-2	≤ 0,5
Foldability at low temperature	°C	EN 495-5	-25
Welding peel resistance	N/50mm	EN 12316-2	≥ 80
Reinforcement (100% PES)			
Construction (warp, weft)	thr/cm		2,8
Weight	g/m²		93
Fabric	Tex		110
Durability	**Unit**	**Method**	**Typical Value**
Artificial ageing (6000h)	Grey scale	EN ISO 4892-2:2006 Method A, cycle 1 EN 20105-A02	≥ 3
Microorganism resistance	% (Weight loss)	EN ISO 846:1997 Method D	≤ 1
Bacterium Resistance (Streptoverticilium reticulum)		EN ISO 846:1997 Method C Souche : ATCC 25607	No Staining
Chlorine Resistance	Grey Scale	EN 15836-2 Annex C	≥ 3
Staining Agent Resistance	Degree	EN 15836-2 Annex D	≥ 4
Printing abrasion resistance		EN ISO 5470-1	Pass
Temperature resistance	°C	EN 15836-2	≤ 32

Processing	Comments
Hot Air Welding	Optimisation needed depending on machine

Storage & Handling	
Storage Temperature	We recommend indoor storage at room temperature (max.23°C)
Storage Time	We recommend storage time less than eighteen months after production date
Processing Temperature	Film should be stored at room temperature (max, 23°C, min. 24h) before processing

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