GeoBubble™ Pool Covers Technical Data Sheet

	EnergyGuard Selective Transmission	Gen2 EnergyGuard	GeoBubble™ Light Blue
Energy & Resource Savings			
Pool temperature increase	7°C	7°C	3°C
Evaporation reduction	98%	98%	98%
Lifetime CO^2_e Savings	38.7kg/m^2	TBC	8.5kg/m^2
Lifetime water savings	25,600 L/m^2	TBC	5,600 L/m^2
Warrantied Lifespan	8 years	8 years	4 years
Return on Investment	x 10	x 10	x 10
EN17645 Cover Grading	B	B	C
Energy Reduction Coefficient	105%	TBC	75%
Recyclable	Yes	Yes	Yes
Mechanical Properties			
Tensile Strength at Yield	7.7 MPa	8.2 MPa	4.7 MPa
Tensile Modulus	312.0 MPa	310.2 MPa	288.5 MPa
Tear Force	48.0 N	59.5 N	46.2 N
Ultimate Tear Strength	2.1 Nmm^{-1}	3.3 Nmm^{-1}	2.6 Nmm^{-1}
Dart Impact Failure Mass	607 g	917 g	508 g
Cold Crack	-25°C	-25°C	-25°C
Vicat Softening	93°C	93°C	93°C
Material Properties			
Material	UV stabilised and pigmented LDPE	UV stabilised and pigmented LDPE	UV stabilised and pigmented LDPE
UV Protection	140 or 180 kLys/yrs	140 or 180 kLys/yrs	90 or 110 kLys/yrs
Weight	460 g / m^2	360 g / m^2	360 g / m^2
Thickness	500 microns	400 microns	400 microns

Roll Information				
Bubble Width	2000mm		2500mm	
Overall Width	2060mm		2560mm	
Roll Length	51m	102m	51m	102m
Roll Diameter	0.6m	0.8m	0.6m	0.8m
Roll Total	102 m^2	204 m^2	127.5 m^2	300 m^2
Weld Edges	30mm each side			
Packaging Information				
Core Inner Diameter	76mm			
Bag	Recycled LDPE			
Core	Recycled Cardboard			
Loading Information				
120m^3 truck estimate	~ 16,000m^2 / 78 rolls		~ 14,500m^2 / 57 rolls	
Container estimate	20ft ~ 4,700m^2 / 23 rolls 40ft ~ 11,200m^2 / 55 rolls			

Gen2 The Next Generation of Pool Covers

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GeoBubble