Maricell CORE MATERIALS
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MYcell-P

HIGH DEPTH SUBSEA FOAM CORE

ADVANTAGES

- WATER RESISTANCE
- HIGH HYDRAULIC CRASH POINT
- SUPERIOR COMPRESSION STRENGTH
- LOW WATER ABSORPTION
- THERMOFORMABLE
- OUTSTANDING DAMAGE TOLERANCE

MYcell-P is a high density closed cell cross-linked PVC with superior compression strength and Hydraulic Crash Point for sub-sea application.

MYcell-P thanks to its buoyancy and low water absorption under long-term is the best choice for sub-sea special needs.

FIELDS OF APPLICATION

MYcell-P is an excellent choice for application that require high compression strength and Hydraulic crash point in a long term.

SUSTAINABLE GRADES

ecoGreEN eco-variant of MYcell reduces the carbon footprint by incorporating raw materials produced using energy from renewable sources.

ecoBlue eco-variant of MYcell takes carbon footprint reduction a step further. MYcell EcoBlue incorporates raw materials derived from agricultural and industrial waste, all produced using energy from renewable sources.

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TECHNICAL DATA SHEET
TYPICAL VALUES

MYcell-P

HIGH DEPTH SUBSEA FOAM CORE

FOAM			P200	P250	P320	P400
Density	ISO 845 (min)	kg/m³	200 (180)	250 (225)	320 (280)	400 (370)
Compressive strength	ISO 844:2014 B	MPa	5,07	6,88	8,87	11,29
Compressive modulus	ISO 844:2014 B	MPa	300	384	499	633
Shear strength	ISO 1922	MPa	3,44	4,37	5,57	7,26
Shear modulus	ISO 1922	MPa	77	98	123	158
Shear elongation at break	ISO 1922	%	35	35	15	12
Tensile strength	ASTM D 1623	MPa	6,26	7,19	9,77	12
Tensile modulus	ASTM D 1623	MPa	358	439	559	700
Hydraulic Crash Point	ASTM D2736 (practice B)	Bar	48	66	95	125
Standard block dimensions		mm	750 1600	700 1500	600 1300	570 1250