



# BELUGA WHALE

**Wet Lay-up**  
Biobased  
Epoxy System

## BELUGA WHALE



**Belugas** are extremely sociable mammals that live, hunt and migrate together in pods, ranging from a few individuals to hundreds of whales. Their bulbous forehead, called a "melon", is flexible and capable of changing shape. This allows them to make different facial expressions. Belugas can produce a series of chirps, clicks, whistles and squeals, which give the beluga its other name, "the canary of the sea." Many populations of belugas migrate as the sea ice changes in the Arctic. They move south in the fall as the ice forms and then return to feed again in the spring, as the ice breaks up.



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Beluga Whale is a simple to use, **all-purpose epoxy system** with variable working times. Room temperature cure, with post-curing options. Easy impregnation of reinforcements.

Mix ratio 100: 35 for all hardener options allows to adjust to the desired reactivity by blending the three hardeners. The pot life can vary according to the times required in the lamination process for any size of mold or part. The longer pot life system is suitable for rolling larger parts.

## Applications



Hand lay-up



Coating

## Key features

### Wide working temp. range



Materials and processing times should be in a range of 18-35°C.



### Biocontent

\*pending certification

## TECHNICAL DATA SHEET

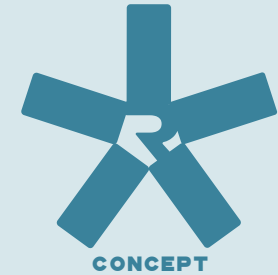
### Processing & mechanical data

Hardeners	Extra slow	Slow	Fast
	translucent liquid	bluish liquid	opaque liquid
Aspect			
Viscosity @25°C mPas	10 - 15	25 - 40	75 - 90
Density g/cm <sup>3</sup>	0,96 - 0,98	0,96 - 0,98	0,96 - 0,98
Proportion by weight	35	35	35
Viscosity of the mixture	300 - 500	500 - 800	1.000 - 1.500
Pot life (100g, 25°C) min	600 - 750	70 - 100	20 - 40
Gel time (60°C) min	100 - 130	55 - 70	18 - 30
Tg 8 days @23°C	48 - 54	48 - 54	50 - 60
Tg 4h @60°C + 6h 80°C	78 - 83	76 - 81	87 - 92
Tg 8h @100°C	80 - 86	75 - 85	85 - 90
Tensile strength Mpa	70 - 74	80 - 86	85 - 90
Tensile elongation %	3,8 - 4,2	4,0 - 4,4	4,4 - 4,9
Tensile modulus Mpa	3.100 - 3.300	3.400 - 3.700	3.500 - 3.900
Flexural strength Mpa	100 - 130	120 - 150	130 - 160
Flexural elongation %	4,5 - 5,5	5,0 - 6,0	5,0 - 6,3
Flexural modulus Mpa	3.100 - 3.300	3.400 - 3.700	3.400 - 3.700
Water absorption (ISO 62) 10 days H2O 23°C	0,35 - 0,45	0,25 - 0,30	0,30 - 0,35

### For technical support:

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