

ENCLOSURE MATERIALS - COMPARISON

Comparison of materials

The following table gives a general idea of the properties of the various materials. For more detailed information on material performance in your specific application environment please consult your local FIBOX representative.

**** = Excellent

* = Poor

1) Polyester powder coated AISi cast aluminium

2) Glass fibre reinforced

Property	PC	ABS	GRP	AL1)	PA62)	NORYL	PS
General properties							
Outdoor use	****	***	*****	****	****	*	*
Indoor use	*****	*****	*****	*****	*****	*****	*****
Cost	***	*****	*	*	**	***	*****
Light weight	*****	*****	***	*	*****	*****	*****
High rigidity	***	*	****	*****	***	***	*
Impact resistance	*****	***	****	****	***	***	*
Chemical Resistance							
Salt water environments	*****	**	*****	****1)	*****	*****	**
Neutral salts	*****		*****	****1)	****	*****	****
Acids, low concentrations	*****	****	*****	**	****	****	****
Acids, high concentrations	***	*	***	*	*	****	*
Alkalis, low concentrations	***	*****	****	*	**	****	*****
Alkalis, high concentrations	*	****	****	*	*	***	****
Petroleum	***	*	*****	*****	****	*	*
Hydraulic oil	*****	*****	*****	*****	*****		*****
Alcohols	****	***	****	*****	****		***
Solvents	*	*	*****	*****			*
Cooling fluids	***	*****	*****	***			*****