

METAL-CROSSLINKED ORGANOPOLYSILOXANE-THIO BLOCK VINYL COPOLYMER
AND ANTIFOULING COATING COMPOSITION CONTAINING THE COPOLYMER

ABSTRACT

The object of the present invention is to provide a
5 silicone-based copolymer which has excellent long-term antifouling
property even in a dry-wet alternate portion of a ship and the like
or a portion thereof near the surface of water, is excellent also
in mechanical strength and recoatability and exhibits high antifouling
performance even if an antifouling agent is not added, and an
10 antifouling coating composition containing the copolymer. The
present invention provides, as the silicon-based copolymer, a
metal-crosslinked organopolysiloxane-thio block vinyl copolymer [D]
wherein an organopolysiloxane-thio block vinyl copolymer [C] having
a carboxylic acid-containing vinyl copolymer block [A] formed from
15 constitutional units derived from a polymerizable unsaturated
carboxylic acid (a1) and constitutional units derived from at least
one other polymerizable unsaturated monomer (a2) copolymerizable with
the polymerizable unsaturated carboxylic acid, and a specific
organopolysiloxane-thio block [B] is crosslinked with a divalent metal
20 [M].

(No Suitable Figure)