



TYPE APPROVAL CERTIFICATE

형식 승인증서

Certificate No. : LDN23355-BM001 **Date of Approval** : 14th January, 2009.

Product : Non-Metallic Bearing Material

Manufacturer : ACM Bearings Ltd
Derwent Way, Wath Upon Dearne, Rotherham, South Yorkshire S63
6EX, United Kingdom

Product Description : Rudder Bearing & Rudder Carrier Bearings (Type : ACM L2 Marine)

- Density : 1.30 ~ 1.35 g/cm³
- Compressive strength : 360 ~ 414 MPa
- Hardness : 123 Shore D
- Max. surface pressure :
 - . 5.5 MPa for $1.1 \leq h/d \leq 1.2$, * h : bearing height
 - . 10.0 MPa for $h/d = 1.0$, * d : Diameter of Shaft
- Application : Water, Oil lubricated or Dry running

- Approval Condition** :
1. This approval is based on the Independent Test Results for mechanical and thermal of the material carried out at Allvac Ltd and Sheffield University.
 2. Individual Product Certification is not required.

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt. 4, Ch. 1, Art. 901 & 902 of the Rules for Classification, Steel Ships.

This Certificate is valid until 13th January, 2014.

Issued at Daejeon, Korea on 14th January, 2009.



한국선급
KOREAN REGISTER OF SHIPPING

Lee Woon-ho

General Manager of
Materials and Equipment Team

Note : 1 : The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in the event that the extension has not been granted or is not under attendance for completion of the renewal survey.

2 : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.