

TECHNICAL SPECIFICATIONS

# Description

**NORDEN 788 MARINE**

Norden 788 Marine material is intended for use in high load bushings and bearings applications.

# Material

Norden 788 Marine is a high load composite bearing material made of specially manufactured synthetic fabric reinforcement using a composite construction process which is impregnated with thermosetting resins, solid lubricant fillers are added which make it suitable for dry running applications.

The product is dark grey in colour.

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| **Properties** | **Value** | **Unit** |
| Tensile strength | 60 | N/mm2 |
| Flatwise compressive strength | 250 | N/mm2 |
| Edgewise compressive strength | 100 | N/mm2 |
| Maximum Operating Static Load | 140 | N/mm2 |
| Maximum Operating Dynamic Load | 60 | N/mm2 |
| Flexural Strength | 69 | N/mm2 |
| Ultimate shear strength | 100 | N/mm2 |
| Density | 1.30 | gms/cc |
| Coefficient of friction Dry | 0.08 | Dry |
| Water adsorption to saturation | 0.50 | % Volumetric |
| Heat distortion temperature | 140 | oC |
| Linear expansion coefficients |  |  |
| Parallel to laminate | 5.25 x 10-5 | 1/K |
| Normal to laminate | 10 x 10-5 | 1/K |
| Elongation @120 MPa | 5% |  |

# Manufacture

The material is manufactured to documented procedures and standards. Full manufacturing traceability records are kept for the material.

# Certificates

Certificates of conformity can be issued that material supplied conforms to the grade standard for a particular order.

Issue No: 3 Norden Approved Material Page: 1 of 1 Date: 18.05.2017