

MATERIAL SPECIFICATION

**NORDEN CM 7**

# Description

Norden CM7 Bearings have been developed for use specifically in water lubricated stern tube bearing applications. This material offers good wear life, good abrasion resistance and a low dry coefficient of friction.

# Material

Norden CM7 is a highly developed thermosetting crosslinked polymer that optimizes special characteristics in the design of elastomeric bearings. The polymer is a tough material with high load bearing capacity and resistant to impact and compression.

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| **Physical Properties** |  |
| Hardness (Shore) | 68 D |
| Tensile (MPa) | 38 |
| Compressive stress @ 4% deformation (MPa) | 17 |
| Elongation, % | 204 |
| Young’s Modulus (MPa) | 610 |
| Poisson Ratio | 0.45 |
| Tear Strength (ASTM D-470) kN/M | 19.2 |
| NBS Abrasive Index (% of Standard) | 400 |
| Specific Gravity Gms/cc | 1,16 |
| Water Absorption @ 20C (%) | 1,6 |
| Oil Absorption @ 20C (%) | 0,5 |
| Thermal Expansion/Contraction (X 10-5) | 20 |
| Coefficient of friction | 0,15 |

**The above values are typical**

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