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Datasheet ASNCM77



ASNCM77 is specially developed for shafts of cutter suction dredgers in water-lubricated shaft applications. The material offers good wear resistance, abrasion resistance and shock load absorption, combined with a low coefficient of friction. ASNCM77 is a highly developed thermosetting crosslinked polymer that optimises unique properties in the design of elastomeric materials. The polymer is a stiff material with good load and impact resistance.

Application

Material

Synthetic fiber / elastomer composite with friction modifiers.

Availablity

| | Value | Unit |
|-----------------------|------------|------|
| Tube inside diameter | on request | |
| Tube outside diameter | on request | |
| Length standard | on request | |
| Inside diameter | on request | |
| Outside diameter | on request | |
| Flange diameter | on request | |
| Flange height | on request | |
| Total length | on request | |

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ASNCM77 - Specifications

Physical properties

| | Test standard | Value | Unit |
|---------|---------------|------------|------|
| Density | | on request | |

Mechanical properties

| | Test standard | Value | Unit |
|---------------------------------------|---------------|---------------|-------------------|
| Module of elasticity - Youngs modulus | | on request | |
| Tensile strength | | 60 O / 28 I | MPa |
| Shear strength | | on request | |
| Impact strength | | on request | |
| Hardness | | 75 O / 90 I | SHORE-D / SHORE-A |
| Dynamic load capacity | | on request | |
| Elongation at break | | 210 O / 415 I | % |

Thermal properties

| | Test standard | Value | Unit |
|--|---------------|------------|------|
| Thermal expansion Parallel to laminate | | on request | |
| Thermal expansion Normal to laminate | | on request | |
| Min. working temperature | | on request | |
| Max. working temperature | | on request | |
| Intermittent working temperature | | on request | |

Friction properties

| | Test standard | Value | Unit |
|---------------------------------|---------------|------------|------|
| Coefficient of friction dynamic | | on request | |
| Max. sliding speed | | on request | |
| Max. Pv-load dry | | on request | |
| Max. Pv-load oil lubricated | | on request | |
| Max. Pv-load on regular greased | | on request | |

Electrical properties

| | | Test standard | Value | Unit |
|--|--|---------------|-------|------|
|--|--|---------------|-------|------|

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