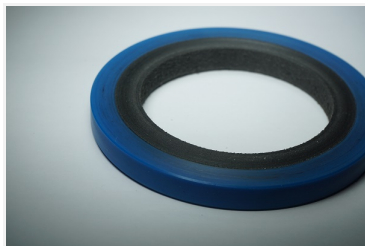


Datasheet ASNCM77



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.

Availability

	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	

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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