

Datasheet AS TEHT63



- (1): Hardness rockwell: HRM.
(2): Hardness rockwell: HRC.
(3): Coefficient of friction dynamic: oil/grease.

Material	
Material	Steel

Physical Properties	Test Standard	Unit	Value
Density	ASTM D792	g/cm ³	-
Max. swell in water at 20 °C	ASTM D570	%	-

Mechanical Properties	Test Standard	Unit	Value
Compressive strength static	ASTM D695	MPa	250
Compressive strength dynamic	ASTM D695	MPa	-
Module of elasticity	ASTM D695	MPa	-
Tensile strength	ASTM D3410	MPa	-
Shear strength	ASTM D3410	MPa	-
Impact strength	ASTM D256	kJ/m ²	-
Hardness rockwell	ASTM D785	HRM/HRC	-

Thermal Properties	Test Standard	Unit	Value
Thermal expansion	ASTM D696	K	-
Min. working temperature		°C	-
Max. working temperature		°C	-
Intermittent working temperature		°C	-

Friction Properties	Test Standard	Unit	Value
Max. linear velocity		m/s	0.1
Max. pv value		MPa*m/s	1.5
Friction coefficient grease lubricated		μ	-
Friction coefficient oil lubricated		μ	-