

Datasheet AS TEOltecc-520



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

Material	
Material	Copper

Availability	Unit	Value
Min. inside diameter	mm	30
Max. inside diameter	mm	160
Length standard	mm	On request
Also available as flange bushing		

Metric Bushing	
Type	AS TEOltecc-520
I.D.	30
O.D.	40
High	40

Flange Bushing	
Type	AS TEOltecc-520F
I.D.	30
O.D.	40
High	40

Physical Properties	Test Standard	Unit	Value
Density	ASTM D792	g/cm ³	8.2
Max. swell in water at 20 °C	ASTM D570	%	-

Mechanical Properties	Test Standard	Unit	Value
Compressive strength static	ASTM D695	MPa	130
Compressive strength dynamic	ASTM D695	MPa	-
Module of elasticity	ASTM D695	MPa	-
Tensile strength	ASTM D3410	MPa	850
Shear strength	ASTM D3410	MPa	-
Impact strength	ASTM D256	kJ/m ²	-
Hardness rockwell	ASTM D785	HRM/HRC	> 260 HB

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 non-lubrication		m/s	0.3
Max. linear velocity periodical lubrication		m/s	0.8
Max. linear velocity consecutive lubrication		m/s	1.25
Max. pv value non-lubrication		MPa*m/s	1.65
Max. pv value periodical lubrication		MPa*m/s	3.25
Max. pv value consecutive lubrication		MPa*m/s	3.25
Friction coefficient grease lubricated		μ	-
Friction coefficient oil lubricated		μ	0.03